



267675

VIA OVERNIGHT DELIVERY

March 28, 2006

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Mr. Steven Faryan
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Emergency Response Branch
HSE-5J
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Clayton Project No. 15-03095.15-007

Subject: ILR000128249 – Madison County – LPC 1190505040
The Hartford Area Hydrocarbon Plume Site / Hartford, Illinois
Sentinel Wells Quarterly Monitoring Report – January 2006

Dear Messrs. Turner and Faryan:

Clayton Group Services, Inc., a *Bureau Veritas Company*, on behalf of the Hartford Working Group (HWG), and in accordance with paragraph 47 of the Administrative Order on Consent, is submitting the Sentinel Wells Quarterly Monitoring Report. This report presents the results of the quarterly groundwater monitoring activities conducted in Hartford during January 2006 for the five sentinel wells (HMW-25 through HMW-29).

A review of the groundwater analytical results shows that the sentinel wells have not been impacted by the identified light non-aqueous phase liquid or dissolved phase plume underlying northern Hartford. This conclusion is based on the fact that no BETX constituents were detected at quantifiable concentrations, and the fact that none of the identified inorganic constituents were detected above applicable Tiered Approach to Corrective Action Objectives Tier 1 Groundwater Remediation Objectives for Class I groundwater (with the exception of iron, which is interpreted as representative of background conditions).

The next quarterly sampling event is scheduled for the week of April 3, 2006. The sentinel wells will be monitored in accordance with the U.S. Environmental Protection Agency (USEPA) approved October 2003 Sentinel Wells Work Plan, with the following modification which was first implemented in July 2005. As agreed at the April 14, 2005 meeting in Collinsville, Illinois between the HWG, the USEPA and the Illinois Environmental Protection Agency, the analytical parameter list for the five sentinel wells was revised to include the following: benzene; ethylbenzene; toluene; xylenes; methyl tertiary butyl ether and "Skinner List" metals, both total and dissolved. Please contact me with any questions.

Clayton Group Services, Inc.

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15-03095.10ca117.doc

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Messrs. Turner and Faryan
USEPA REGION V
Sentinel Wells Qtrly. Mon. Rpt. – Jan. 2006

Clayton Project No. 15-03095.15-007
March 28, 2006
Page 2 of 2

Sincerely,

A handwritten signature in black ink that reads "Monte M. Nienkerk".

Monte M. Nienkerk, P.G.
Senior Project Manager
Environmental Services

Encl: Sentinel Wells Quarterly Monitoring Report – January 2006

cc: Hartford Working Group
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Robert Howe (TT EMI / USEPA – 1 copy)
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Chris Cahnovsky (IEPA, Collinsville – 2 copies)
Dave Webb (Illinois DPH – 1 copy)

**Sentinel Wells
Quarterly Monitoring Report
January 2006**

**1190505040 -- Madison County -- ILR000128249
The Hartford Area Hydrocarbon Plume Site
Hartford, Illinois**

March 28, 2006
Clayton Project No. 15-03095.15-007

Prepared for:
The Hartford Working Group
Hartford, Illinois

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- B Summary of Indicator Parameter Measurements – January 2006
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1.0 INTRODUCTION

This quarterly monitoring report for the five sentinel wells located within Hartford, Illinois (Figure 1) was prepared by Clayton Group Services, Inc., a *Bureau Veritas Company* (Clayton), on behalf of the Hartford Working Group (HWG). The HWG is comprised of the Atlantic Richfield Company (Atlantic Richfield), The Premcor Refining Group Inc. (Premcor), Shell Oil Products US (Shell), and Sinclair Oil Corporation (Sinclair). The five sentinel wells (HMW-25 through HMW-29) were installed to monitor for the possible migration of the identified Light Non-Aqueous Phase Liquid (LNAPL) toward the Hartford Well Head Protection Area (WHPA) (McGuire et al. 2001). The LNAPL is located within northern Hartford. The WHPA is the surface area near the two active Hartford municipal water supply wells, which are located in the southwestern portion of Hartford and which may provide recharge to the aquifer over a five-year period. Figure 2 shows the location of the sentinel wells, the Hartford municipal water supply wells and the WHPA.

The monitoring and reporting work was done in accordance with the monitoring program developed under Paragraph 47 of the Administrative Order on Consent (AOC) with the U.S. Environmental Protection Agency (USEPA) in the Matter of The Hartford Area Hydrocarbon Plume Site (Docket No. R7003-5-04-001) (USEPA undated). Paragraph 47 of the AOC required that the five sentinel wells be sampled quarterly for one year, in accordance with the *Sentinel Wells Work Plan*, approved by the USEPA on November 21, 2003 (Clayton 2003).

The sentinel wells were first sampled in December 2003. Quarterly monitoring of the sentinel wells commenced in April 2004. Subsequent quarterly monitoring performed for the required one-year period was conducted in July and October 2004, and in January and April 2005. During these sampling events, sentinel well groundwater samples were analyzed for Skinner List parameters: volatile organic compounds (including methyl tertiary butyl ether [MTBE] and 1,2-dibromoethane [EDB]); 1,4-dioxane; semi-volatile organic compounds; total metals; and total cyanide. In addition, groundwater samples were also analyzed for "General Chemistry" parameters such as alkalinity, chemical oxygen demand, chloride, hardness, sulfate, total dissolved solids, total sulfide, total suspended solids, and dissolved metals.

After completion of the first year of quarterly sentinel well monitoring, Clayton (2005a), in accordance with the AOC, presented recommendations for a revised groundwater monitoring program. These



recommendations included a reduced laboratory groundwater analysis list. On April 14, 2005, the USEPA and the Illinois Environmental Protection Agency (Agencies) agreed with the HWG that future sentinel well analytical parameters would consist of benzene, ethylbenzene, toluene and total xylenes (BETX), MTBE, and Skinner List Metals (total and dissolved), starting with the July 2005 sampling event (Clayton 2005b).

This report presents the results of the January 2006 quarterly groundwater monitoring activities, which included a comprehensive well gauging event in Hartford. The well gauging, with the cooperation of Shell and Premcor, was extended to include the Shell Rand Avenue site, the Shell Tannery Property, and the Premcor Property. Discussions of the comprehensive well gauging, groundwater sample collection, groundwater analytical results, and conclusions are presented in Sections 2.0, 3.0, 4.0, and 5.0, respectively. Future activities and references are presented in Sections 6.0 and 7.0, respectively.

2.0 WELL GAUGING

The sentinel wells were inspected and evaluated with respect to their continued suitability for both gauging and groundwater monitoring. The sentinel wells were determined to be in satisfactory condition for continued use in the monitoring program. The results of the monitoring well inspections are included in Appendix A.

The gauging event was conducted to determine groundwater depths and apparent LNAPL thickness (if present) in order to determine groundwater flow directions and delineate the current horizontal extent of gauged LNAPL. In accordance with the January 2006 *Dissolved Phase Groundwater Investigation Report* (Clayton 2006), a subset of the previously gauged piezometers/wells was selected for continuation of the quarterly gauging in Hartford beginning in 2006. Clayton completed the first quarter 2006 well gauging event in Hartford during the week of January 10, 2006. This event was conducted at all of the accessible monitoring wells in Hartford, at the Shell Rand Avenue site, the Shell Tannery Property, and the Premcor Facility. The Shell sites are located immediately to the northeast and east of northern Hartford, while the Premcor Facility is immediately east of the central portion of Hartford. As part of the well gauging event, the Mississippi River stage (at the Premcor Mississippi River Dock) was surveyed by CMT, Inc. on January 11, 2006.



The hydrogeology in northern Hartford consists of four hydrostratigraphic units identified in descending order as the North Olive Stratum, the Rand Stratum, and the EPA Stratum, all of which overlie the Main Sand (Clayton 2004a). The Main Sand has been subdivided into shallow Main Silt (previously shallow Main Sand) and deep Main Sand based on its composition (i.e., percentage of silt versus sand content). These four hydrostratigraphic units are overlain and bounded by several clay deposits identified (in descending order) as the A Clay, B Clay, C Clay, and D Clay (Clayton 2005c). The A Clay forms the surface layer over the entirety of northern Hartford, while the B Clay separates the North Olive and Rand Strata. The C Clay separates the Rand and EPA Strata, and the D Clay separates the EPA and Main Sand Strata.

The sentinel wells are screened in the Main Sand, because the regional aquifer is within the Main Sand and the Hartford municipal water supply wells obtain water from the Main Sand. More detailed information on the hydrostratigraphic units at the Site is provided in the December 2005 *LNAPL Active Recovery System Conceptual Site Model* (Clayton 2005d) and the January 2006 *Dissolved Phase Groundwater Investigation Report* (Clayton 2006).

The January 2006 groundwater and LNAPL gauging data from Hartford are summarized in Table 1. Monitoring well gauging data for the Shell wells and the wells on the Premcor facility are summarized in Tables 2 and 3, respectively. The area of LNAPL presence in all strata in northern Hartford is in Figure 3.

Wells located in Hartford and on Shell and Premcor properties provide groundwater flow data for the Main Sand. The Premcor Facility wells and Shell wells were originally surveyed to a different datum than the Hartford wells. The previously existing data for the Shell wells were manually adjusted to correlate with the United States Geological Survey datum used for the Hartford wells, while the Premcor wells were resurveyed for this purpose. The January 2006 groundwater elevation data for the Main Sand indicated the flow direction underlying Hartford was primarily northerly and northwesterly with localized variable flow direction in the vicinity of and towards extraction wells P-1, P-2, and P-6, as well as extraction well RPW-01 (located in the northwestern portion of the Premcor Facility, north of East Hawthorne Street [Figure 4]). Two of the Hartford Municipal Wells (#3 and #4) were operating at the time of groundwater elevation gauging in January 2006. The overall groundwater flow direction in January 2006 was mostly consistent with historical interpretations; however, a more pronounced westerly component was evident, as was also observed in October 2005.



The natural movement of groundwater (westerly) has been altered in the Hartford vicinity (i.e., Hartford, Roxana and Wood River) due to large-scale industrial water pumpage. The combined pumping rate in this area is greater than 10,000 gallons per minute according to Farmayan, et al. (1998). These withdrawals of water have created groundwater cones of depression in the vicinity of Hartford. In general, the effect of this drawdown is groundwater flow in the Main Sand to the north and northwest.

3.0 GROUNDWATER SAMPLE COLLECTION

Groundwater sample collection activities were conducted on January 12, 2006 for sentinel wells HMW-26 and HMW-27, and on January 13, 2006 for sentinel wells HMW-25, HMW-28 and HMW-29. Each well was purged and sampled using dedicated low-flow sampling pumps and polypropylene tubing, in accordance with Clayton's purging and sampling Standard Operating Procedure (SOP) 415a (Clayton 2005e). A flow chart illustrating the SOP 415a purging and sampling technique is presented in Figure 5. Upon collection, groundwater samples were placed in laboratory-supplied, pre-preserved (if appropriate) containers. After collection, samples were immediately labeled, placed in a cooler containing ice, and delivered under chain-of-custody procedures to Teklab, Inc. of Collinsville, Illinois for laboratory analysis. The purged groundwater removed from each well was temporarily stored in a double-walled tank located in a secure area within Hartford before removal by a waste disposal contractor.

Water quality parameters including temperature, pH, oxidation reduction potential, dissolved oxygen, turbidity, and specific conductivity were electronically measured and recorded using a calibrated Mini-Troll with an associated Pocket PC (in addition to the field logbook) during purging and prior to sample collection. The downloaded data logger indicator parameter records for the January 2006 event are included in Appendix B.

Quarterly groundwater samples were analyzed for BETX, MTBE, and Skinner List total and dissolved metals, as agreed to by the Agencies and the HWG on April 14, 2005 (Clayton 2005b). In addition, sentinel well groundwater samples were electively analyzed for General Chemistry parameters and, beginning in October 2005, Natural Attenuation parameters. Specifically, these Natural Attenuation parameters include ammonia (as nitrogen "N"), carbon, nitrate, nitrate plus nitrite (as N), nitrite (as N), total phosphorus, and dissolved phosphorus. These parameters continue to be analyzed to develop a better understanding of background conditions. The practical quantitation limits and analytical methods



are presented in Table 4. The containers with applicable preservation requirements (if appropriate) for each parameter are presented in Table 5.

4.0 GROUNDWATER ANALYTICAL RESULTS

The groundwater analytical results for the January 2006 quarterly sampling of the sentinel wells were consistent with historical trends. The results for BETX, MTBE, and Skinner List Metals (total and dissolved) are presented below.

None of the sentinel well groundwater samples collected in January 2006 revealed the presence of any quantifiable concentrations of BETX or MTBE. One of the samples (HMW-26) contained an estimated concentration of MTBE at 0.6 micrograms per liter ($\mu\text{g/L}$). This estimated MTBE concentration is below the reporting limit (RL). The identification of an estimated concentration does not establish a definitive presence of any parameter in the sample. Only values above the RL can be considered to establish the presence of a particular parameter. Furthermore, MTBE has not been associated with the LNAPL in northern Hartford based on product characterization analyses.

The analytical results indicated eleven metals (antimony, arsenic, barium, beryllium, cadmium, cobalt, iron, lead, nickel, vanadium, and zinc) were detected. With the exception of one constituent, the detected concentrations were below 35 IAC Part 742, Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Groundwater Remediation Objectives (GROs) for Class I groundwater (Illinois Pollution Control Board, 1997). Iron was detected at HMW-26 [26.2 milligrams per liter (mg/L) (total) and 25.1 mg/L (dissolved)] and HMW-29 [8.35 mg/L (total) and 8.63 (dissolved)] at concentrations exceeding the TACO GRO of 5.0 mg/L for this constituent. These iron concentrations are interpreted as representative of background conditions.

An evaluation of the Quality Assurance/Quality Control samples from this monitoring event revealed no concerns.

Historical summaries of laboratory analytical results for BETX and MTBE, and Skinner List Metals, are presented in Tables 6 and 7, respectively. A historical summary of analytical results for the General



Chemistry and Natural Attenuation parameters is presented in Table 8. The laboratory analytical reports for this quarter of sampling are included in Appendix C.

5.0 CONCLUSIONS

Based on a review of the groundwater analytical results, the sentinel wells have not been impacted by the identified LNAPL underlying northern Hartford. This conclusion is based on the fact that no BETX constituents were detected at quantifiable concentrations, and the fact that none of the identified inorganic constituents were detected above applicable TACO Tier 1 GROs for Class I groundwater (with the exception of iron, which is interpreted as representative of background conditions). The conclusion is also based on the groundwater flow mapping of the Main Sand, which shows flow in the area of the LNAPL plume in northern Hartford is to the north and northwest, away from the Hartford WHPA and the Hartford municipal water supply wells.

6.0 FUTURE ACTIVITIES

The next quarterly sampling event (currently scheduled for April 2006) will be conducted in accordance with the October 2003 *Sentinel Wells Work Plan*, approved by the USEPA on November 21, 2003, and in accordance with modifications agreed to on April 14, 2005, as discussed in Section 1.0. A comprehensive well gauging event will also be conducted for the Hartford, Shell, and Premcor groundwater monitoring wells during April 2006.



7.0 REFERENCES

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Clayton Group Services, Inc., April 8, 2004a. *FPH CPT/ROST™ Subsurface Investigation Report and FPH Monitoring Well and Soil Sampling Plan for the Village of Hartford, Illinois*.

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Illinois Pollution Control Board, 1997. *Tiered Approach to Corrective Action Objectives: 35 IAC Part 742*. Adopted rule, Final Order June 5, 1997. Last amended February 2002.

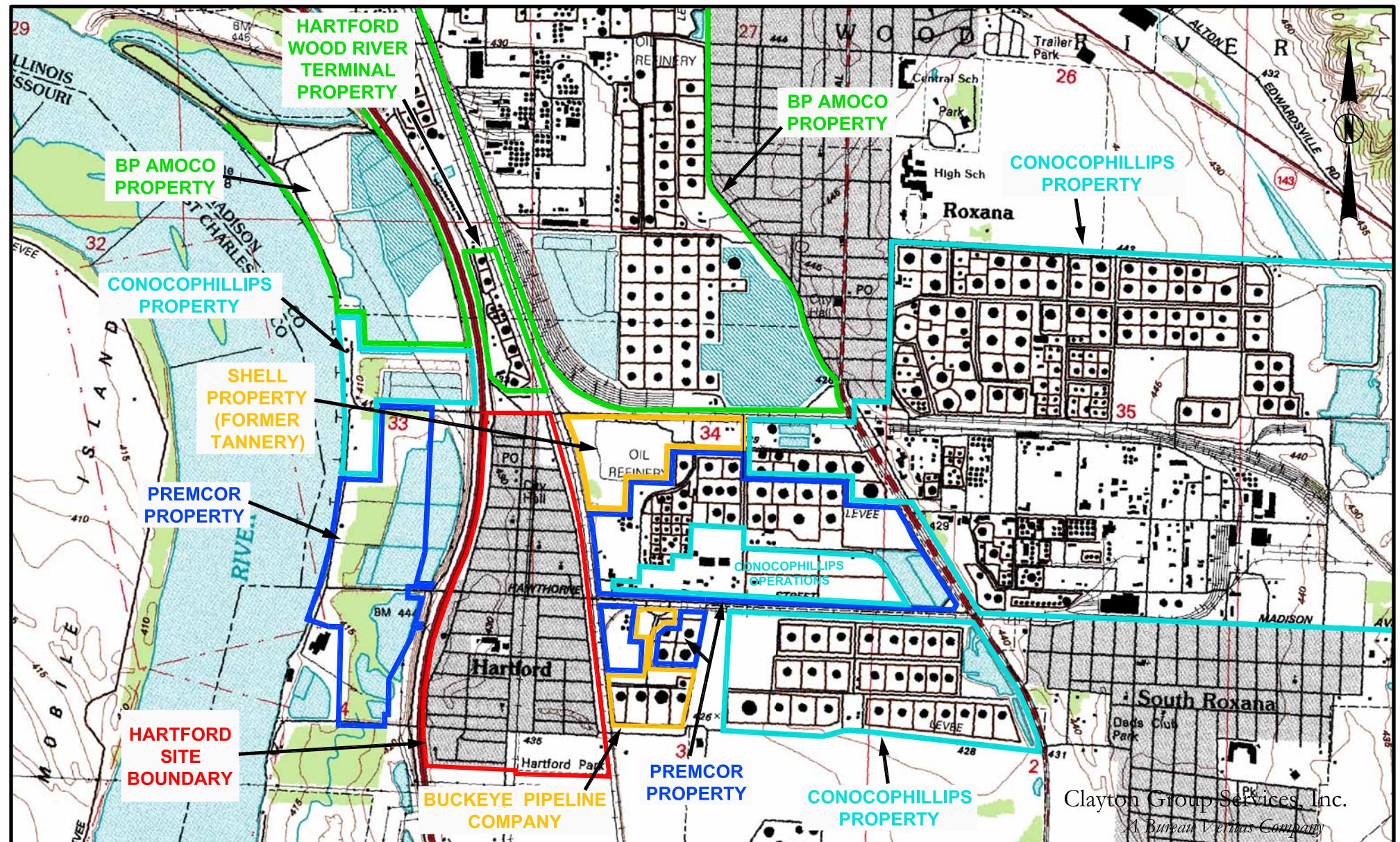
McGuire, M., J. Keller, K. Miller, and S. Esling, 2001. *Delineation of a Well Head Protection Area Hartford, Illinois*

US Army Corps of Engineers, 2005. Mississippi River at Melvin Price Lock and Dam (Alton, IL). (<http://www2.mvr.usace.army.mil/WaterControl/stationinfo2.cfm?sid=MPRICE&fid=ALNI2&dt=S>)

United States Environmental Protection Agency, Region 5, Chicago, Illinois. *In the Matter of the Hartford Area Hydrocarbon Plume Site*. (Docket No. R7003-5-04-001).



FIGURES



** NOT TO SCALE **

SOURCE:
USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP
(WOOD RIVER, ILL.-MO. - rev.1994)

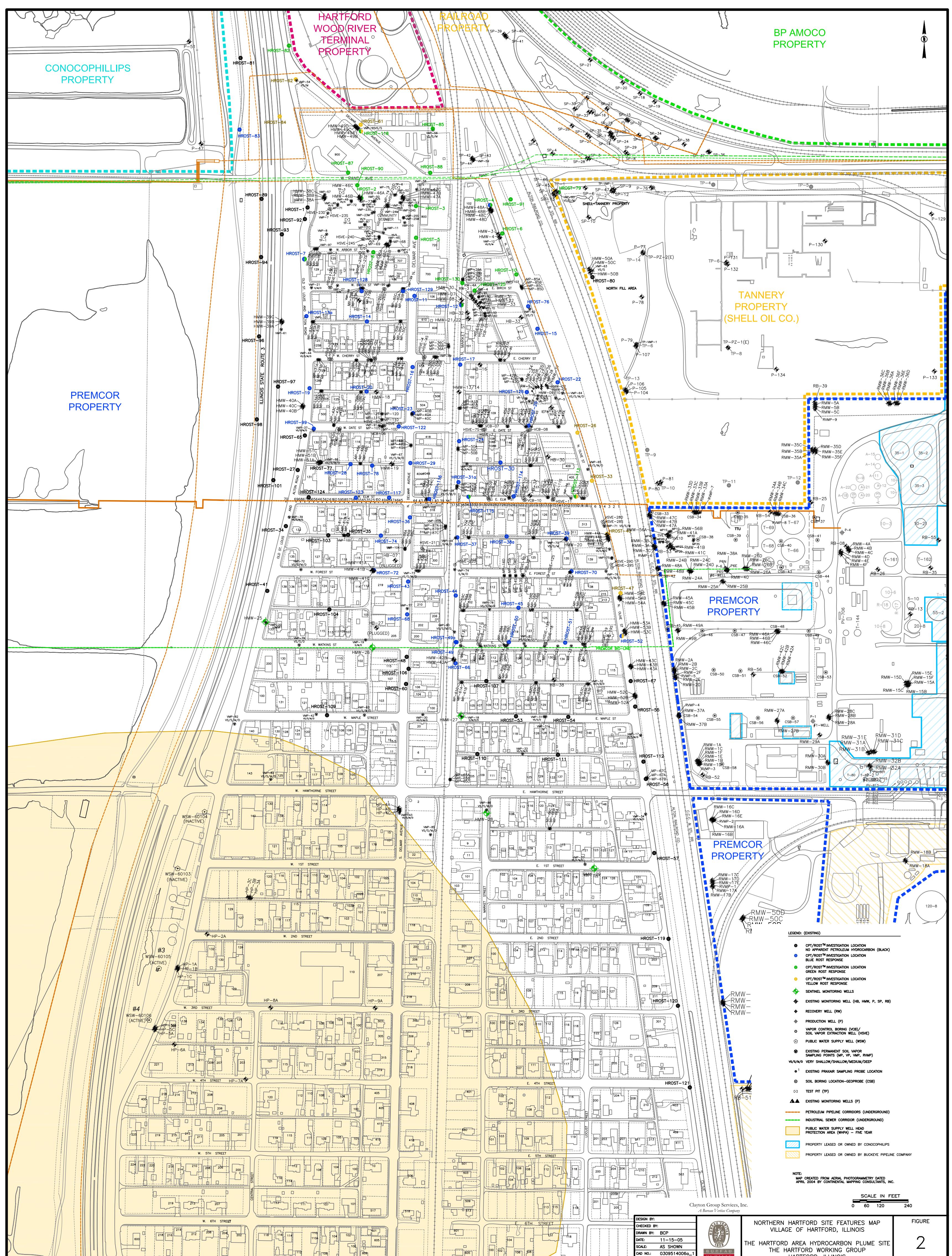
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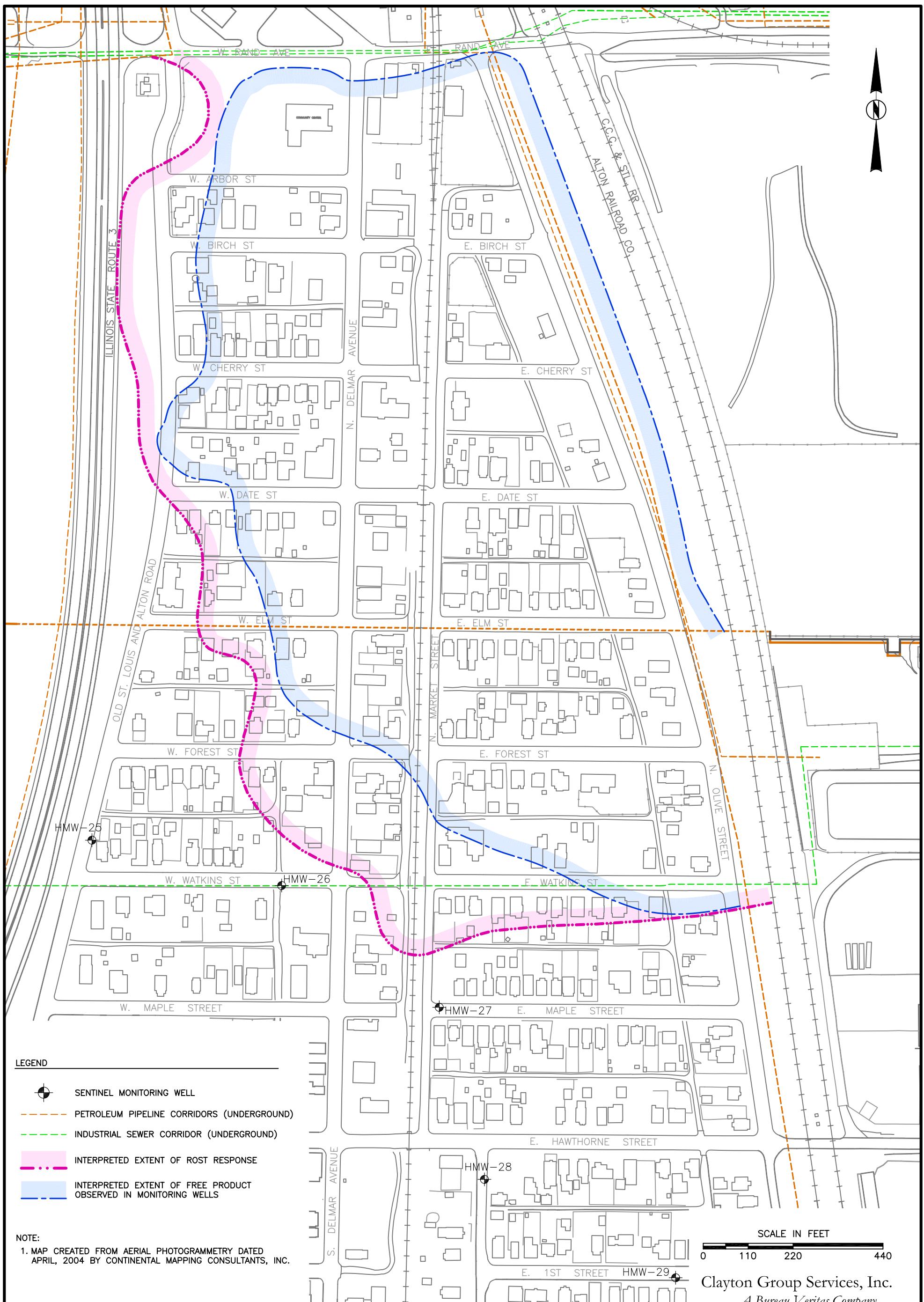
VILLAGE OF HARTFORD, IL
AND SURROUNDING AREA MAP
THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS



FIGURE

1





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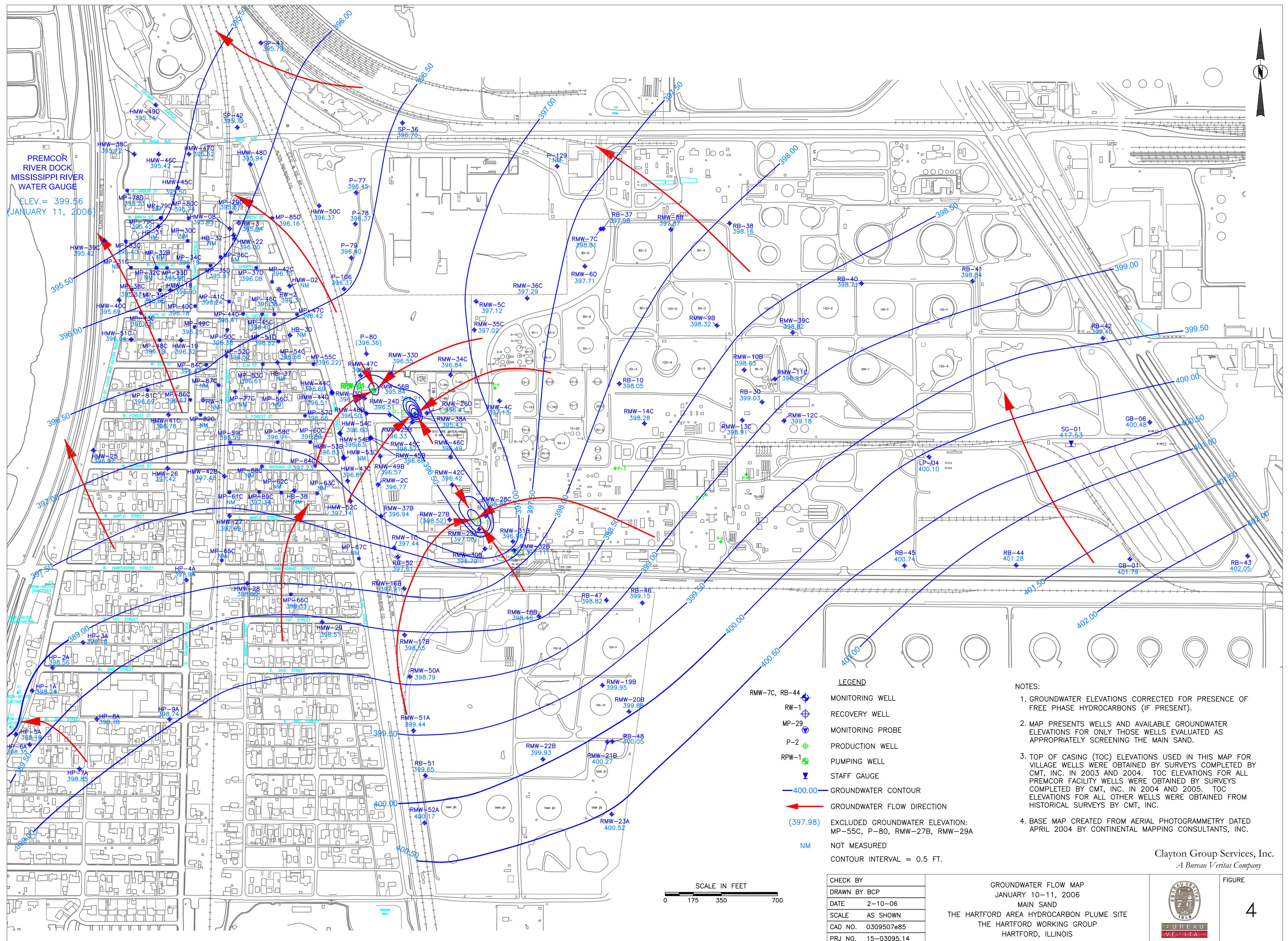
AREA OF LNAPL PRESENCE IN ALL STRATA

THE HARTFORD AREA HYDROCARBON PLUME SITE
THE HARTFORD WORKING GROUP
HARTFORD, ILLINOIS



BUREAU
VERITAS

FIGURE
3



Low Flow Sampling
Monitoring Well Sampling
Pump/Tubing Intake



BUREAU
VERITAS

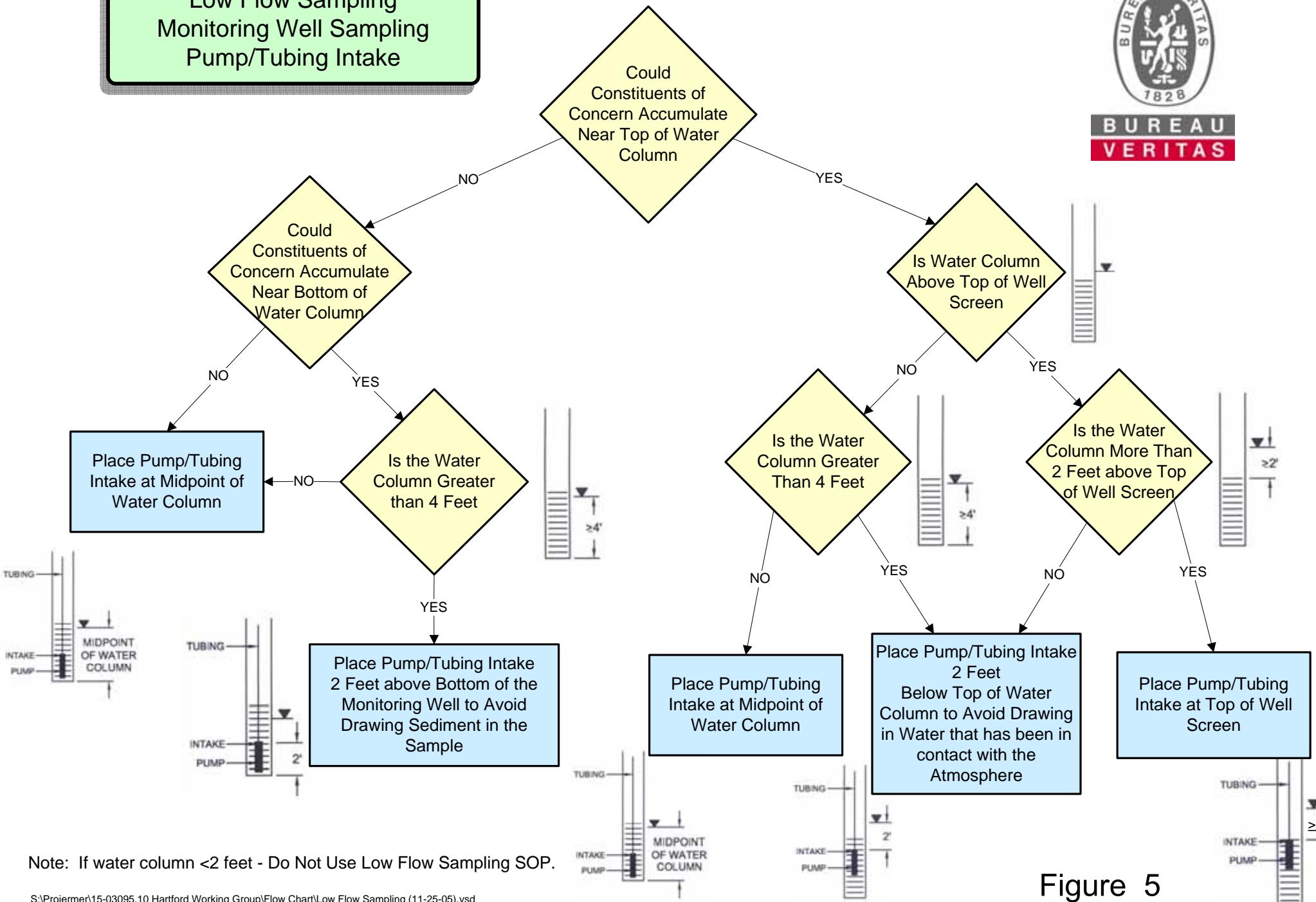


Figure 5

TABLES



TABLES

TABLE 1
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Village of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o ¹ (ft)	Piezometric Surface Elevation ² (ft)
IEPA-4		430.35	--	--	--	--	--	--	--
HB-07 ³		432.32	PLUGGED	PLUGGED	PLUGGED	PLUGGED	PLUGGED		PLUGGED
HB-16 ⁴		431.42	--	--	--	--	--	--	--
HB-27 ³		425.83	PLUGGED	PLUGGED	PLUGGED	PLUGGED	PLUGGED		PLUGGED
HB-30		431.08	--	--	--	--	--	--	--
HB-31 ⁴		431.49	--	--	--	--	--	--	--
HB-32		433.45	--	--	--	--	--	--	--
HB-33		430.23	--	--	--	--	--	--	--
HB-37		431.77	--	--	--	--	--	--	--
HB-38		429.92	--	--	--	--	--	--	--
HMW-01		429.94	--	--	--	--	--	--	--
HMW-02		429.65	--	--	--	--	--	--	--
HMW-03		428.72	--	--	--	--	--	--	--
HMW-04	01/11/06	428.96	--	--	--	--	--	--	--
HMW-07	01/10/06	429.12	NA	22.60	NA	406.52	0.00	0.00	406.52
HMW-08	01/11/06	429.74	33.25	35.60	396.49	394.14	2.35	0.47	395.95

TABLE 1
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Village of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o ¹ (ft)	Piezometric Surface Elevation ² (ft)
HMW-33		430.13	--	--	--	--	--	--	--
HMW-34		429.83	--	--	--	--	--	--	--
HMW-35		429.81	--	--	--	--	--	--	--
HMW-36		429.91	--	--	--	--	--	--	--
HMW-37		429.61	--	--	--	--	--	--	--
HMW-38 A	01/11/06	430.06	NA	DRY	NA	--	0.00	0.00	--
HMW-38 B (T 1/10/05-1/11/05)	01/11/06	429.93	NA	25.12	NA	404.81	0.00	0.00	404.81
HMW-38 C (T 11/19/04)	01/11/06	430.23	NA	35.11	NA	395.12	0.00	0.00	395.12
HMW-39 A	01/11/06	426.46	NA	20.38	NA	406.08	0.00	0.00	406.08
HMW-39 B (T 1/12/05)	01/11/06	426.55	NA	23.48	NA	403.07	0.00	0.00	403.07
HMW-39 C (T 1/11/05-4/20/05)	01/11/06	426.28	NA	30.86	NA	395.42	0.00	0.00	395.42
HMW-40 A	01/11/06	425.01	NA	DRY	NA	--	0.00	0.00	--
HMW-40 B	01/11/06	424.86	NA	24.38	NA	400.48	0.00	0.00	400.48
HMW-40 C (T 4/21/05)	01/11/06	425.01	NA	29.32	NA	395.69	0.00	0.00	395.69
HMW-41 A	01/10/06	425.42	NA	17.89	NA	407.53	0.00	0.00	407.53
HMW-41 B	01/10/06	425.62	NA	28.61	NA	397.01	0.00	0.00	397.01
HMW-41 C	01/10/06	425.85	NA	29.07	NA	396.78	0.00	0.00	396.78

TABLE 1
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Village of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o ¹ (ft)	Piezometric Surface Elevation ² (ft)
HMW-47 C	01/11/06	430.61	35.08	35.11	395.53	395.50	0.03	0.01	395.52
HMW-48 A	01/11/06	429.16	NA	13.84	NA	415.32	0.00	0.00	415.32
HMW-48 B	01/11/06	429.18	NA	18.23	NA	410.95	0.00	0.00	410.95
HMW-48 C	01/11/06	429.02	30.32	34.73	398.70	394.29	4.41	1.05	397.69
HMW-48 D	01/11/06	428.98	NA	33.04	NA	395.94	0.00	0.00	395.94
HMW-49 A	01/11/06	430.21	NA	12.51	NA	417.70	0.00	0.00	417.70
HMW-49 B	01/11/06	430.23	NA	23.78	NA	406.45	0.00	0.00	406.45
HMW-49 C (T 1/19/05)	01/11/06	430.18	NA	33.08	NA	397.10	0.00	0.00	397.10
HMW-49 D (T 1/19/05)	01/11/06	430.25	NA	35.11	NA	395.14	0.00	0.00	395.14
HMW-50 A (T 1/11/05)	01/10/06	434.43	NA	20.24	NA	414.19	0.00	0.00	414.19
HMW-50 B (T 1/7/05)	01/10/06	434.43	NA	34.67	NA	399.76	0.00	0.00	399.76
HMW-50 C (T 1/7/05)	01/10/06	434.28	NA	37.91	NA	396.37	0.00	0.00	396.37
HMW-51 A		425.46	--	--	--	--	--	--	--
HMW-51 B	01/11/06	425.51	NA	24.77	NA	400.74	0.00	0.00	400.74
HMW-51 C	01/11/06	425.42	NA	29.38	NA	396.04	0.00	0.00	396.04
HMW-52 A	01/10/06	427.80	NA	20.22	NA	407.58	0.00	0.00	407.58
HMW-52 B	01/10/06	427.81	NA	26.67	NA	401.14	0.00	0.00	401.14

TABLE 1
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Village of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o ¹ (ft)	Piezometric Surface Elevation ² (ft)
HP-05A	01/11/06	424.42	NA	26.23	NA	398.19	0.00	0.00	398.19
HP-05B	01/11/06	424.58	NA	26.78	NA	397.80	0.00	0.00	397.80
HP-05C	01/11/06	424.43	NA	26.62	NA	397.81	0.00	0.00	397.81
HP-06	01/11/06	425.88	NA	27.53	NA	398.35	0.00	0.00	398.35
HP-07	01/11/06	429.04	NA	30.19	NA	398.85	0.00	0.00	398.85
HP-08	01/11/06	429.81	NA	31.03	NA	398.78	0.00	0.00	398.78
HP-09	01/11/06	431.45	NA	32.71	NA	398.74	0.00	0.00	398.74
MP-5S		429.83	--	--	--	--	--	--	--
MP-5D		430.09	--	--	--	--	--	--	--
MP-6S		430.15	--	--	--	--	--	--	--
MP-6D		430.13	--	--	--	--	--	--	--
MP-7S		430.17	--	--	--	--	--	--	--
MP-7D		430.16	--	--	--	--	--	--	--
MP-8S		430.20	--	--	--	--	--	--	--
MP-8D		430.14	--	--	--	--	--	--	--
MP-9S		430.05	--	--	--	--	--	--	--
MP-9D		430.00	--	--	--	--	--	--	--

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Village of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o ¹ (ft)	Piezometric Surface Elevation ² (ft)
MP-28		429.80	--	--	--	--	--	--	--
MP-29 A		429.39	--	--	--	--	--	--	--
MP-29 B	01/11/06	429.43	NA	DRY	NA	--	0.00	0.00	--
MP-29 C	01/11/06	429.39	24.32	24.91	405.07	404.48	0.59	0.04	404.93
MP-29 D	01/11/06	429.47	33.05	35.46	396.42	394.01	2.41	0.45	395.87
MP-30 A		431.20	--	--	--	--	--	--	--
MP-30 B		431.21	--	--	--	--	--	--	--
MP-30 C		431.13	--	--	--	--	--	--	--
MP-31 A	01/10/06	426.71	NA	DRY	NA	--	0.00	0.00	--
MP-31 B		426.79	--	--	--	--	--	--	--
MP-31 C		426.98	--	--	--	--	--	--	--
MP-32 A		429.68	--	--	--	--	--	--	--
MP-32 B		429.68	--	--	--	--	--	--	--
MP-32 C		429.72	--	--	--	--	--	--	--
MP-33 A	01/11/06	430.05	NA	9.59	NA	420.46	0.00	0.00	420.46
MP-33 B	01/11/06	430.09	NA	DRY	NA	--	0.00	0.00	--
MP-33 C	01/11/06	430.09	NA	DRY	NA	--	0.00	0.00	--

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WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o ¹ (ft)	Piezometric Surface Elevation ² (ft)
MP-38 C	01/11/06	426.91	30.52	32.94	396.39	393.97	2.42	0.47	395.83
MP-39 A		432.09	--	--	--	--	--	--	--
MP-39 B		432.07	--	--	--	--	--	--	--
MP-39 C	01/11/06	432.07	35.61	37.79	396.46	394.28	2.18	0.41	395.96
MP-40 A	01/11/06	431.02	NA	9.89	NA	421.13	0.00	0.00	421.13
MP-40 B	01/11/06	431.04	NA	29.44	NA	401.60	0.00	0.00	401.60
MP-40 C	01/11/06	431.04	34.50	36.06	396.54	394.98	1.56	0.22	396.18
MP-41 A		431.24	--	--	--	--	--	--	--
MP-41 B		431.23	--	--	--	--	--	--	--
MP-41 C	01/10/06	431.08	34.66	35.43	396.42	395.65	0.77	0.06	396.24
MP-42 A		430.21	--	--	--	--	--	--	--
MP-42 B	01/10/06	430.20	NA	DRY	NA	--	0.00	0.00	--
MP-42 C	01/10/06	430.32	33.67	35.83	396.65	394.49	2.16	0.41	396.15
MP-43 A	01/11/06	426.75	NA	DRY	NA	--	0.00	0.00	--
MP-43 B	01/11/06	426.72	NA	DRY	NA	--	0.00	0.00	--
MP-43 C	01/11/06	426.39	NA	30.37	NA	396.02	0.00	0.00	396.02
MP-44 A	01/10/06	430.64	NA	DRY	NA	--	0.00	0.00	--

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WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o (ft)	Piezometric Surface Elevation ² (ft)
MP-49 C	01/11/06	431.07	34.59	35.58	396.48	395.49	0.99	0.08	396.25
MP-50 A	01/10/06	430.38	NA	14.08	NA	416.30	0.00	0.00	416.30
MP-50 B		430.21	--	--	--	--	--	--	--
MP-50 C	01/10/06	430.21	33.43	35.15	396.78	395.06	1.72	0.25	396.38
MP-51 A	01/10/06	430.90	NA	DRY	NA	--	0.00	0.00	--
MP-51 B		430.91	--	--	--	--	--	--	--
MP-51 C		430.93	--	--	--	--	--	--	--
MP-51 D	01/10/06	430.99	33.84	36.56	397.15	394.43	2.72	0.57	396.52
MP-52 A	01/10/06	429.96	NA	DRY	NA	--	0.00	0.00	--
MP-52 B	01/10/06	429.97	NA	DRY	NA	--	0.00	0.00	--
MP-52 C	01/10/06	429.99	33.30	34.05	396.69	395.94	0.75	0.06	396.52
MP-53 A	01/10/06	430.59	NA	DRY	NA	--	0.00	0.00	--
MP-53 B		430.60	--	--	--	--	--	--	--
MP-53 C	01/10/06	430.64	33.83	34.72	396.81	395.92	0.89	0.07	396.61
MP-54 A		430.00	--	--	--	--	--	--	--
MP-54 B		429.99	--	--	--	--	--	--	--
MP-54 C	01/10/06	430.07	32.86	35.62	397.21	394.45	2.76	0.60	396.58

TABLE 1
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Village of Hartford, Illinois

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 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o ¹ (ft)	Piezometric Surface Elevation ² (ft)
MP-60 C	01/10/06	429.21	32.19	33.15	397.02	396.06	0.96	0.08	396.80
MP-61 A	01/10/06	429.98	NA	10.34	NA	419.64	0.00	0.00	419.64
MP-61 B	01/10/06	429.98	NA	DRY	NA	--	0.00	0.00	--
MP-61 C		430.00	--	--	--	--	--	--	--
MP-62 A	01/10/06	429.11	NA	8.18	NA	420.93	0.00	0.00	420.93
MP-62 B	01/10/06	429.11	NA	DRY	NA	--	0.00	0.00	--
MP-62 C		428.94	--	--	--	--	--	--	--
MP-63 A	01/10/06	429.26	NA	9.53	NA	419.73	0.00	0.00	419.73
MP-63 B	01/10/06	429.26	NA	DRY	NA	--	0.00	0.00	--
MP-63 C		429.29	--	--	--	--	--	--	--
MP-64 A	01/10/06	428.73	NA	9.60	NA	419.13	0.00	0.00	419.13
MP-64 B	01/10/06	428.74	NA	DRY	NA	--	0.00	0.00	--
MP-64 C	01/10/06	428.69	31.07	32.76	397.62	395.93	1.69	0.25	397.23
MP-65 A	01/10/06	431.41	NA	16.30	NA	415.11	0.00	0.00	415.11
MP-65 B	01/10/06	431.44	NA	24.83	NA	406.61	0.00	0.00	406.61
MP-65 C (T 4/21/05)		431.42	--	--	--	--	--	--	--
MP-66 A	01/11/06	430.81	NA	14.27	NA	416.54	0.00	0.00	416.54

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 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	D _o ¹ (ft)	Piezometric Surface Elevation ² (ft)
MP-78 A	01/11/06	430.34	NA	7.93	NA	422.41	0.00	0.00	422.41
MP-78 B	01/11/06	430.31	NA	13.81	NA	416.50	0.00	0.00	416.50
MP-78 C	01/11/06	430.29	NA	24.09	NA	406.20	0.00	0.00	406.20
MP-78 D	01/11/06	430.26	NA	35.03	NA	395.23	0.00	0.00	395.23
MP-79 A		429.44	--	--	--	--	--	--	--
MP-79 B	01/11/06	429.48	NA	27.51	NA	401.97	0.00	0.00	401.97
MP-79 C	01/11/06	429.59	33.82	35.35	395.77	394.24	1.53	0.19	395.42
MP-79 D		429.46	--	--	--	--	--	--	--
MP-80 A		430.10	--	--	--	--	--	--	--
MP-80 B	01/11/06	430.10	NA	21.44	NA	408.66	0.00	0.00	408.66
MP-80 C	01/11/06	430.03	33.85	35.78	396.18	394.25	1.93	0.32	395.74
MP-81 A	01/11/06	425.57	NA	DRY	NA	--	0.00	0.00	--
MP-81 B	01/11/06	425.53	NA	DRY	NA	--	0.00	0.00	--
MP-81 C	01/11/06	425.40	NA	28.71	NA	396.69	0.00	0.00	396.69
MP-82 A	01/10/06	431.67	NA	DRY	NA	--	0.00	0.00	--
MP-82 B	01/10/06	431.67	NA	25.65	NA	406.02	0.00	0.00	406.02
MP-82 C		431.61	--	--	--	--	--	--	--

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MP-88 B	01/10/06	430.60	NA	DRY	NA	--	0.00	0.00	--
MP-88 C		430.51	--	--	--	--	--	--	--
MP-89 A	01/10/06	429.17	NA	DRY	NA	--	0.00	0.00	--
MP-89 B	01/10/06	429.17	NA	DRY	NA	--	0.00	0.00	--
MP-89 C	01/10/06	429.25	NA	31.91	NA	397.34	0.00	0.00	397.34
RW-1		433.78	--	--	--	--	--	--	--
RW-2*	01/10/06	431.99	35.09	37.65	396.90	394.34	2.56	0.53	396.31
RW-3	01/11/06	433.35	37.16	38.24	396.19	395.11	1.08	0.05	395.94
RW-4		429.65	--	--	--	--	--	--	--
RW-4 A*	01/13/06	429.86	33.40	35.31	396.46	394.55	1.91	0.29	396.02
RW-5	01/13/06	430.22	33.28	35.60	396.94	394.62	2.32	0.44	396.41

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Shell Sites) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
P-47		428.20	--	--	--	--	--	--
P-51		426.62	--	--	--	--	--	--
P-76	01/10/06	433.28	Abandoned by URS in 12/2005					
P-77	01/10/06	434.57	NA	38.12	NA	396.45	0.00	396.45
P-78	01/10/06	433.29	NA	36.92	NA	396.37	0.00	396.37
P-79	01/10/06	432.65	NA	36.25	NA	396.4	0.00	396.40
P-80	01/10/06	433.04	NA	36.68	NA	396.36	0.00	396.36
P-81	01/10/06	433.20	35.93	35.96	397.27	397.24	0.03	397.26
P-104	01/10/06	432.67	NA	20.90	NA	411.77	0.00	411.77
P-105	01/10/06	432.54	NA	34.81	NA	397.73	0.00	397.73
P-106	01/10/06	432.64	NA	36.27	NA	396.37	0.00	396.37
P-107	01/10/06	431.83	NA	32.14	NA	399.69	0.00	399.69
P-129	01/10/06	433.23	--	--	--	--	--	--
P-130	01/10/06	431.67	NA	19.09	NA	412.58	0.00	412.58
P-131	01/10/06	432.54	NA	20.62	NA	411.92	0.00	411.92
P-132	01/10/06	432.08	NA	32.14	NA	399.94	0.00	399.94
P-133	01/10/06	430.94	NA	20.61	NA	410.33	0.00	410.33

TABLE 2
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Shell Sites) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
SP-18	01/10/06	431.07	NA	32.82	NA	398.25	0.00	398.25
SP-19	01/10/06	430.89	NA	18.44	NA	412.45	0.00	412.45
SP-20	01/10/06	431.10	NA	17.73	NA	413.37	0.00	413.37
SP-21	01/10/06	431.65	NA	19.85	NA	411.80	0.00	411.80
SP-22	01/10/06	430.36	NA	15.30	NA	415.06	0.00	415.06
SP-23	01/10/06	430.67	NA	16.50	NA	414.17	0.00	414.17
SP-24	01/10/06	428.86	NA	13.55	NA	415.31	0.00	415.31
SP-25	01/10/06	428.61	NA	13.39	NA	415.22	0.00	415.22
SP-26	01/10/06	429.84	NA	14.63	NA	415.21	0.00	415.21
SP-27	01/10/06	431.90	NA	16.79	NA	415.11	0.00	415.11
SP-28	01/10/06	432.19	NA	16.53	NA	415.66	0.00	415.66
SP-29	01/10/06	431.78	NA	16.28	NA	415.50	0.00	415.50
SP-30	01/10/06	431.83	NA	18.05	NA	413.78	0.00	413.78
SP-31	01/10/06	429.77	NA	15.12	NA	414.65	0.00	414.65
SP-32	01/10/06	430.42	NA	15.96	NA	414.46	0.00	414.46
SP-33	01/10/06	430.95	NA	16.26	NA	414.69	0.00	414.69
SP-34	01/10/06	430.12	NA	16.06	NA	414.06	0.00	414.06

TABLE 2
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Wells (Shell Sites) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
TP-PZ-2-(E)		434.41	--	--	--	--	--	--

NOTES:

NA = Not Applicable

-- = No data

** = Depth to water anomaly

SG = Specific gravity of hydrocarbon assumed to be 0.74 by others.

¹ Piezometric surface elevation = [(A)-(C)]+S.G.[(C)-(B)]

² Followup checking found that this reading was in error. There was no FPH detected in this well.

Well SP-4 no longer exists.

TOC elevations (except for SP-42, SP-43, & SP-44) have been rotated and adjusted to match USGS datum (datum used to survey Village wells).

This rotation and adjustment of original survey data (obtained in 7/01 by CMT, Inc.) was completed in 1/04 by CMT. TOC elevations for SP-42, SP-43, and SP-44 were surveyed to USGS datum in 12/03 by CMT.

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Premcor Facility) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
DS-1	01/30/06	430.94	NA	32.40	NA	398.54	0.00	398.54
DS-2	01/30/06	431.13	NA	32.46	NA	398.67	0.00	398.67
DS-3	01/30/06	430.49	NA	31.79	NA	398.70	0.00	398.70
DS-4	01/30/06	431.26	32.52	33.74	398.74	397.52	1.22	398.47
GB-1	01/11/06	431.59	NA	29.80	NA	401.79	0.00	401.79
GB-6	01/11/06	430.53	NA	30.05	NA	400.48	0.00	400.48
LP-4	01/11/06	432.55	NA	32.45	NA	400.10	0.00	400.10
MP-1S	01/10/06	431.37	--	--	--	--	--	--
MP-1D	01/10/06	431.04	--	--	--	--	--	--
MP-2S	01/10/06	430.66	--	--	--	--	--	--
MP-2D	01/10/06	430.27	--	--	--	--	--	--
MP-3S								
MP-3D								
MP-4S	01/10/06	430.42	NA	DRY	NA	--	0.00	--
MP-4D	01/10/06	430.42	NA	33.86	NA	396.56	0.00	396.56
MW-1	01/11/06	420.50	NA	20.39	NA	400.11	0.00	400.11
MW-2	01/11/06	419.58	NA	20.44	NA	399.14	0.00	399.14

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Premcor Facility) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
RB-36	01/10/06	429.21	NA	24.10	NA	405.11	0.00	405.11
RB-37*	01/10/06	428.52	29.72	33.45	398.8	395.07	3.73	397.98
Recovery Pump in Well								
RB-38	01/11/06	433.73	NA	35.57	NA	398.16	0.00	398.16
RB-39	01/10/06	431.54	NA	37.73	NA	393.81	0.00	393.81
RB-40	01/11/06	433.51	NA	34.80	NA	398.71	0.00	398.71
RB-41	01/11/06	433.25	NA	34.41	NA	398.84	0.00	398.84
RB-42	01/11/06	428.47	NA	29.07	NA	399.40	0.00	399.40
RB-43	01/11/06	427.99	NA	25.94	NA	402.05	0.00	402.05
RB-44	01/11/06	432.99	NA	31.71	NA	401.28	0.00	401.28
RB-45	01/11/06	431.95	NA	31.21	NA	400.74	0.00	400.74
RB-46	01/11/06	430.61	NA	31.46	NA	399.15	0.00	399.15
RB-47	01/11/06	431.05	NA	32.23	NA	398.82	0.00	398.82
RB-48*	01/11/06	431.36	30.66	33.63	400.7	397.73	2.97	400.05
Recovery Pump in Well								
RB-49	01/11/06	429.32	NA	2.97	NA	426.35	0.00	426.35
RB-50	01/11/06	431.47	NA	6.35	NA	425.12	0.00	425.12
RB-51	01/11/06	431.54	NA	31.89	NA	399.65	0.00	399.65
RB-52*	01/10/06	431.97	34.32	34.50	397.65	397.47	0.18	397.61

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Premcor Facility) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
RMW-3B (T 2/27/05-7/18/05)	01/10/06	434.01	37.26	38.55	396.75	395.46	1.29	396.47
Recovery Pump in Well								
RMW-3C	01/10/06	434.21	NA	37.80	NA	396.41	0.00	396.41
 								
RMW-4A	01/10/06	433.02	19.76	19.77	413.26	413.25	0.01	413.26
RMW-4B	01/10/06	433.07	NA	33.59	NA	399.48	0.00	399.48
RMW-4C (T 2/27/05)	01/10/06	433.11	NA	35.98	NA	397.13	0.00	397.13
RMW-4D	01/10/06	432.83	NA	35.76	NA	397.07	0.00	397.07
RMW-4E	01/10/06	432.82	NA	35.73	NA	397.09	0.00	397.09
RMW-4F	01/10/06	432.37	NA	35.28	NA	397.09	0.00	397.09
RMW-5A	01/10/06	431.85	NA	21.29	NA	410.56	0.00	410.56
RMW-5B (T 1/7/05)	01/10/06	432.03	NA	31.66	NA	400.37	0.00	400.37
RMW-5C (T 1/10/05)	01/10/06	432.01	NA	34.89	NA	397.12	0.00	397.12
RMW-6A	01/10/06	430.40	NA	17.97	NA	412.43	0.00	412.43
RMW-6B	01/10/06	430.39	NA	23.35	NA	407.04	0.00	407.04
RMW-6C	01/10/06	430.37	NA	30.54	NA	399.83	0.00	399.83
RMW-6D	01/10/06	430.41	NA	32.70	NA	397.71	0.00	397.71
RMW-6E	01/10/06	430.02	NA	32.47	NA	397.55	0.00	397.55
RMW-6F	01/10/06	429.67	NA	32.11	NA	397.56	0.00	397.56
 								

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APARENT LNAPL THICKNESS
Wells (Premcor Facility) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
RMW-11B (T 1/21/05)	01/11/06	429.88	NA	23.36	NA	406.52	0.00	406.52
RMW-11C (T 1/21/05-8/19/05)	01/11/06	430.27	NA	31.36	NA	398.91	0.00	398.91
RMW-12A	01/11/06	432.43	NA	14.69	NA	417.74	0.00	417.74
RMW-12B	01/11/06	432.57	NA	28.71	NA	403.86	0.00	403.86
RMW-12C	01/11/06	432.25	NA	33.07	NA	399.18	0.00	399.18
RMW-13A	01/11/06	429.26	NA	9.40	NA	419.86	0.00	419.86
RMW-13B	01/11/06	429.25	NA	21.44	NA	407.81	0.00	407.81
RMW-13C	01/11/06	429.06	NA	30.15	NA	398.91	0.00	398.91
RMW-14A	01/11/06	433.12	NA	22.16	NA	410.96	0.00	410.96
RMW-14B	01/11/06	433.14	NA	22.28	NA	410.86	0.00	410.86
RMW-14C	01/11/06	433.10	NA	34.82	NA	398.28	0.00	398.28
RMW-15A	01/10/06	432.96	18.25	18.57	414.71	414.39	0.32	414.64
RMW-15B	01/10/06	432.96	NA	18.41	NA	414.55	0.00	414.55
RMW-15C	01/10/06	432.95	33.58	41.73	399.37	391.22	8.15	397.58
RMW-15D	01/10/06	432.77	NA	35.72	NA	397.05	0.00	397.05
RMW-15E	01/10/06	432.80	NA	35.77	NA	397.03	0.00	397.03
RMW-15F	01/10/06	432.36	NA	35.30	NA	397.06	0.00	397.06

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APARENT LNAPL THICKNESS
Wells (Premcor Facility) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
RMW-21B	01/11/06	432.09	31.04	34.59	401.05	397.50	3.55	400.27
RMW-21C	01/11/06	429.05	NA	28.87	NA	400.18	0.00	400.18
RMW-21D	01/11/06	428.73	NA	28.56	NA	400.17	0.00	400.17
RMW-21E	01/11/06	428.30	NA	28.11	NA	400.19	0.00	400.19
RMW-22A	01/11/06	430.84	NA	29.12	NA	401.72	0.00	401.72
RMW-22B	01/11/06	430.76	NA	30.83	NA	399.93	0.00	399.93
RMW-23A (T 1/7/05)	01/11/06	430.45	NA	29.93	NA	400.52	0.00	400.52
RMW-24A	01/10/06	433.30	NA	22.45	NA	410.85	0.00	410.85
RMW-24B	01/10/06	433.28	NA	28.99	NA	404.29	0.00	404.29
RMW-24C (T 11/19/04-5/19/05)	01/10/06	433.28	36.08	36.13	397.2	397.15	0.05	397.19
RMW-24D	01/10/06	433.43	NA	36.92	NA	396.51	0.00	396.51
RMW-25A (T 2/27/05)	01/10/06	433.51	NA	35.84	NA	397.67	0.00	397.67
RMW-25B (T 11/19/04)	01/10/06	433.58	NA	37.25	NA	396.33	0.00	396.33
RMW-26A	01/10/06	432.69	NA	DRY	NA	--	0.00	--
RMW-26B	01/10/06	433.01	NA	26.04	NA	406.97	0.00	406.97
RMW-26C (T 2/27/05)	01/10/06	432.79	NA	34.78	NA	398.01	0.00	398.01
RMW-26D (T 11/19/04)	01/10/06	432.43	NA	36.02	NA	396.41	0.00	396.41

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Premcor Facility) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation [†] (ft)
RMW-33C	01/10/06	434.59	NA	37.13	NA	397.46	0.00	397.46
RMW-33D (T 2/27/05)	01/10/06	434.64	NA	38.09	NA	396.55	0.00	396.55
RMW-34A	01/10/06	432.24	NA	18.40	NA	413.84	0.00	413.84
RMW-34B (T 1/7/05)	01/10/06	432.04	NA	33.69	NA	398.35	0.00	398.35
RMW-34C (T 1/7/05)	01/10/06	432.16	NA	35.32	NA	396.84	0.00	396.84
RMW-35A	01/10/06	431.99	NA	18.44	NA	413.55	0.00	413.55
RMW-35B	01/11/06	432.32	NA	32.26	NA	400.06	0.00	400.06
RMW-35C	01/10/06	432.06	NA	35.04	NA	397.02	0.00	397.02
RMW-35D	01/10/06	431.64	NA	34.65	NA	396.99	0.00	396.99
RMW-35E	01/10/06	432.38	NA	34.78	NA	397.60	0.00	397.60
RMW-35F	01/10/06	432.29	NA	35.26	NA	397.03	0.00	397.03
RMW-36A	01/10/06	431.57	NA	20.27	NA	411.30	0.00	411.30
RMW-36B	01/10/06	431.37	NA	32.19	NA	399.18	0.00	399.18
RMW-36C	01/10/06	431.67	NA	34.38	NA	397.29	0.00	397.29
RMW-36D	01/10/06	431.12	NA	33.78	NA	397.34	0.00	397.34
RMW-36E	01/10/06	431.02	NA	33.64	NA	397.38	0.00	397.38
RMW-36F	01/10/06	431.19	NA	33.82	NA	397.37	0.00	397.37

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Premcor Facility) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
RMW-44B	01/11/06	431.16	NA	33.06	NA	398.10	0.00	398.10
RMW-44C	01/11/06	430.95	NA	32.79	NA	398.16	0.00	398.16
RMW-45A	01/10/06	430.84	NA	16.70	NA	414.14	0.00	414.14
RMW-45B	01/10/06	430.80	33.53	36.21	397.27	394.59	2.68	396.68
RMW-45C	01/10/06	430.75	NA	34.18	NA	396.57	0.00	396.57
RMW-46A	01/10/06	428.79	NA	14.69	NA	414.10	0.00	414.10
RMW-46B	01/10/06	429.07	NA	31.47	NA	397.60	0.00	397.60
RMW-46C	01/10/06	428.98	NA	32.49	NA	396.49	0.00	396.49
RMW-47A	01/10/06	433.82	NA	22.13	NA	411.69	0.00	411.69
RMW-47B	01/10/06	433.50	NA	36.74	NA	396.76	0.00	396.76
RMW-47C	01/10/06	433.51	NA	36.94	NA	396.57	0.00	396.57
RMW-48A	01/10/06	433.82	NA	17.51	NA	416.31	0.00	416.31
RMW-48B	01/10/06	434.16	37.00	39.98	397.16	394.18	2.98	396.50
RMW-49A	01/10/06	429.86	NA	16.71	NA	413.15	0.00	413.15
RMW-49B	01/10/06	429.96	32.72	35.76	397.24	394.20	3.04	396.57
RMW-50A	01/11/06	431.82	NA	33.03	NA	398.79	0.00	398.79
RMW-50B	01/11/06	431.66	NA	33.02	NA	398.64	0.00	398.64

TABLE 3
SUMMARY OF 2006 QUARTERLY GROUNDWATER ELEVATIONS/APPARENT LNAPL THICKNESS
Wells (Premcor Facility) Outside of Hartford, Illinois

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

WELL	DATE	(A) Top of Casing Elevation (ft)	(B) Depth to Hydrocarbon (ft)	(C) Depth to Water (ft)	(A)-(B) Hydrocarbon Surface Elevation (ft)	(A)-(C) Water Surface Elevation (ft)	(C)-(B) Hydrocarbon Thickness (ft)	Piezometric Surface Elevation ¹ (ft)
RMW-55B	01/11/06	429.99	NA	29.06	NA	400.93	0.00	400.93
RMW-55C	01/11/06	430.06	NA	29.13	NA	400.93	0.00	400.93
RMW-56A	01/10/06	434.71	38.76	39.12	395.95	395.59	0.36	395.87
RMW-56B	01/10/06	434.61	NA	38.77	NA	395.84	0.00	395.84
SVE-1S	01/10/06	431.11	NA	25.39	NA	405.72	0.00	405.72
SVE-1D*	01/10/06	430.66	34.20	35.82	396.46	394.84	1.62	396.10
T-1*	01/11/06	431.44	30.31	33.45	401.13	397.99	3.14	400.44
TH2-88 @P7 Well	01/11/06	430.88	NA	31.85	NA	399.03	0.00	399.03
River Dock North Staff Gauge	01/11/06	--	NA	0.42	NA	--	0.00	--
River Dock South Staff Gauge	01/11/06	--	NA	0.20	NA	--	0.00	--
Fire Pond Staff Gauge	01/11/06	442.21	NA	7.29	NA	434.92	0.00	434.92

TABLE 4
COMPOUND/ANALYTE LIST FOR SENTINEL WELL WATER SAMPLES - VOCs
Village of Hartford

1190505040 -- Madison County -- ILR 000128249
 The Hartford Working Group / Hartford, Illinois

PARAMETER	PREPARATION METHOD		ANALYTICAL METHOD		COMPOUND	METHOD DETECTION LIMIT * (ug/L)	PRACTICAL QUANTITATION LIMIT * (ug/L)	ACCEPTABLE DETECTION LIMIT ** (ug/L)
	Source	Method No.	Source	Method No.				
VOCs	SW-846	5030	SW-846	8260	Benzene	0.5	2	5
	SW-846	5030	SW-846	8260	Ethylbenzene	1	5	700
	SW-846	5030	SW-846	8260	Methyl tertiary butyl ether (MTBE)	0.5	2	70
	SW-846	5030	SW-846	8260	Toluene	1	5	1,000
	SW-846	5030	SW-846	8260	o, m, p-Xylenes (total)	1	5	10,000

NOTES:

µg/L = Micrograms per liter

* Method detection limit and practical quantitation limit as identified by Teklab, Inc. (Ottensmeier, 2004).

** Acceptable detection limit is the IPCB TACO Tier 1 Groundwater Remediation Objective for Class I Groundwater.

TABLE 5
SAMPLE CONTAINER, PRESERVATION, AND HOLDING TIME REQUIREMENTS FOR
SENTINEL WELL WATER SAMPLES

1190505040 -- Madison County -- ILR000128249
 The Hartford Working Group / Hartford, Illinois

PARAMETER	ANALYSIS	HOLDING TIME	CONTAINER	PRESERVATION
Organics	BETX and MTBE	14 days	2-40 ml VOC vials	HCl to pH < 2, no headspace Maintained at 4 +/- 2 degrees Celsius
Metals	Inorganic Metals	180 days	2- 500 ml plastic jar (one filtered, one unfiltered)	HNO ₃ to pH<2 Maintained at 4 +/- 2 degrees Celsius
	Mercury	28 days		
General	Alkalinity	14 days	1 L plastic jar	Maintained at 4 +/- 2 degrees Celsius
	Chloride	28 days		
	Sulfate	28 days		
	Hardness	7 days		
	Nitrite	48 hours		
	Total Dissolved Solids (TDS)	7 days		
	Total Suspended Solids (TSS)	7 days		
	Total Cyanide	14 days	250 ml plastic jar	NaOH to pH>12 Maintained at 4 +/- 2 degrees Celsius
	Chemical Oxygen Demand (COD)	28 days	500 ml plastic jar	H ₂ SO ₄ to pH<2 Maintained at 4 +/- 2 degrees Celsius
	Ammonia, Total	28 days		
	Phosphorus, Total	28 days		
	Nitrate +/- Nitrite	28 days		
	Phosphorus, Dissolved	28 days	250 ml plastic	H ₂ SO ₄ to pH<2 Maintained at 4 +/- 2 degrees Celsius
	Total Organic Carbon (TOC)	28 days	125 ml plastic	H ₂ SO ₄ to pH<2 Maintained at 4 +/- 2 degrees Celsius
	Sulfide, Total	7 days	250 ml plastic jar	NaOH and ZnAcetate to pH>9 Maintained at 4 +/- 2 degrees Celsius

TABLE 6
Summary of Groundwater Analytical Results for Sentinel Wells
BTEX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE		HMW-25	HMW-25	HMW-25	HMW-25	HMW-25
	SAMPLE ID	TIER1 GRO	HMW-25	HMW-25/040422	HMW-25/040707	DUP-001/040707	HMW-25/041019
	DATE	CLASS I	12/16/2003	04/22/2004	07/07/2004	07/07/2004	10/19/2004
	RESULT TYPE	INGESTION	Primary	Primary	Primary	Duplicate 1	Primary
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	(ug/l)	70	<2.0	<2.0	<2.0	<2.0	<2.0

TABLE 6
Summary of Groundwater Analytical Results for Sentinel Wells
BETX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE		HMW-25	HMW-25	HMW-25	HMW-25	HMW-26
	SAMPLE ID	TIER1 GRO	HMW-25/050414	HMW-25/050712	HMW-25/051006	HMW-25/060113	HWM-26
	DATE	CLASS I	04/14/2005	07/12/2005	10/06/2005	01/13/2006	12/16/2003
	RESULT TYPE	INGESTION	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	(ug/l)	70	<2.0	<2.0	<2.0	<2.0	<2.0

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 6
Summary of Groundwater Analytical Results for Sentinel Wells
BTEX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE		HMW-26	HMW-26	HMW-26	HMW-26	HMW-26
	SAMPLE ID	TIER1 GRO	HMW-26/050414	DUP002/050414	HMW-26/050712	HMW-26/051006	HMW-26/060112
	DATE	CLASS I	04/14/2005	04/14/2005	07/12/2005	10/06/2005	01/12/2006
RESULT TYPE	INGESTION	Primary	Duplicate 1	Primary	Primary	Primary	Primary
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	(ug/l)	70	<2.0	<2.0	<2.0	1.1J	0.6J

Bordered, bolded, and highlighted cells exceed TACQ GROs

Bolded values = Detection Limit above TACO GROs

TABLE 6
Summary of Groundwater Analytical Results for Sentinel Wells
BETX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE		HMW-27	HMW-27	HMW-27	HMW-27	HMW-27
	SAMPLE ID	TIER1 GRO	HMW-27/050121	HMW-27/050419	HMW-27/050712	HMW-27/051007	HMW-27/060112
	DATE	CLASS I	01/21/2005	04/19/2005	07/12/2005	10/07/2005	01/12/2006
	RESULT TYPE	INGESTION	Primary	Primary	Primary	Primary	Primary
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	(ug/l)	70	<2.0	<2.0	<2.0	<2.0	<2.0

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 6
Summary of Groundwater Analytical Results for Sentinel Wells
BTEX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I INGESTION	HMW-28	HMW-28	HMW-28	HMW-28	HMW-29
	SAMPLE ID		HMW-28/050419	HMW-28/050712	HMW-28/051007	HMW-28/060113	HMW-29
	DATE		04/19/2005	07/12/2005	10/07/2005	01/13/2006	12/17/2003
	RESULT TYPE		Primary	Primary	Primary	Primary	Primary
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	(ug/l)	70	<2.0	<2.0	<2.0	<2.0	<2.0

Bordered, bolded, and highlighted cells exceed TACO GROs

Bolded values = Detection Limit above TACO GROs

TABLE 6
Summary of Groundwater Analytical Results for Sentinel Wells
BTEX and MTBE

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-29	HMW-29	HMW-29	HMW-29	HMW-29
	SAMPLE ID		HMW-29/050419	HMW-29/050713	DUP-001/050713	HMW-29/051007	DUP-001/051007
	DATE		04/19/2005	07/13/2005	07/13/2005	10/07/2005	10/07/2005
	RESULT TYPE		Primary	Primary	Duplicate 1	Primary	Duplicate 1
Benzene	(ug/l)	5	<2.0	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	(ug/l)	700	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	(ug/l)	1000	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene (total)	(ug/l)	10000	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	(ug/l)	70	<2.0	<2.0	<2.0	<2.0	<2.0

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE		HMW-25	HMW-25	HMW-25	HMW-25	HMW-25
	SAMPLE ID	TIER1 GRO	HMW-25	HMW-25/040422	HMW-25/040707	DUP-001/040707	HMW-25/041019
	DATE	CLASS I	12/16/2003	04/22/2004	07/07/2004	07/07/2004	10/19/2004
	RESULT TYPE	INGESTION	Primary	Primary	Primary	Duplicate 1	Primary
Antimony	(mg/l)	0.006	<0.005	0.00235J	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	NA	NA	NA	NA	NA
Arsenic	(mg/l)	0.05	0.00106J	<0.003	<0.0030	<0.0030	<0.0030
Arsenic (Dissolved)	(mg/l)	0.05	NA	NA	NA	NA	NA
Barium	(mg/l)	2	0.318	0.238	0.256	0.257	0.300
Barium (Dissolved)	(mg/l)	2	NA	NA	NA	NA	NA
Beryllium	(mg/l)	0.004	<0.001	<0.001	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	NA	NA	NA	NA	NA
Cadmium	(mg/l)	0.005	<0.002	0.000400	0.0003J	0.0003J	0.0004J
Cadmium (Dissolved)	(mg/l)	0.005	NA	NA	NA	NA	NA
Chromium	(mg/l)	0.1	0.00980J	0.00610J	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	NA	NA	NA	NA	NA
Cobalt	(mg/l)	1	0.00450J	<0.010	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	NA	NA	NA	NA	NA
Iron	(mg/l)	5	NA	NA	NA	NA	NA
Iron (Dissolved)	(mg/l)	5	NA	NA	NA	NA	NA
Lead	(mg/l)	0.0075	0.00530	<0.002	<0.0020	<0.0020	0.0009J
Lead (Dissolved)	(mg/l)	0.0075	NA	NA	NA	NA	NA
Mercury	(mg/l)	0.002	<0.0002	<0.0002	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	NA	NA	NA	NA	NA
Nickel	(mg/l)	0.1	0.0178	0.0128	0.0087J	0.0107	0.0149

Bordered, bolded, and highlighted cells exceed TACO GROs

Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-25	HMW-25	HMW-25	HMW-25	HMW-25
	SAMPLE ID		HMW-25/050121	Dup-001/050121	HMW-25/050414	HMW-25/050712	HMW-25/051006
	DATE		01/21/2005	01/21/2005	04/14/2005	07/12/2005	10/06/2005
RESULT TYPE	INGESTION		Primary	Duplicate 1	Primary	Primary	Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0015J	<0.0030	<0.0030	<0.0030	0.0009J
Arsenic (Dissolved)	(mg/l)	0.05	0.0007J	<0.0030	<0.0030	0.0019J	<0.0030
Barium	(mg/l)	2	0.248	0.254	0.235	0.251	0.239
Barium (Dissolved)	(mg/l)	2	0.229	0.233	0.230	0.250	0.235
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	0.0007J	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0007J	0.0009J	0.0007J	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	0.0005J	<0.0020	0.0006J	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Iron	(mg/l)	5	NA	NA	NA	NA	0.0868
Iron (Dissolved)	(mg/l)	5	NA	NA	NA	NA	0.0333
Lead	(mg/l)	0.0075	<0.0020	<0.0020	0.0005J	<0.0020	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	<0.0020	0.0010J	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0131	0.0106	0.0112	0.0142	0.0111

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-25	HMW-26	HMW-26	HMW-26	HMW-26
	SAMPLE ID		HMW-25/060113	HWM-26	HMW-26/040422	HMW-26/040707	HMW-26/041020
	DATE		01/13/2006	12/16/2003	04/22/2004	07/07/2004	10/20/2004
	RESULT TYPE		Primary	Primary	Primary	Primary	Primary
Antimony	(mg/l)	0.006	<0.0050	<0.005	<0.005	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	0.0030J	NA	NA	NA	NA
Arsenic	(mg/l)	0.05	<0.0030	0.00449	0.00654	0.0012J	0.0020J
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	NA	NA	NA	NA
Barium	(mg/l)	2	0.251	0.362	0.242	0.222	0.206
Barium (Dissolved)	(mg/l)	2	0.222	NA	NA	NA	NA
Beryllium	(mg/l)	0.004	0.0008J	0.000300	<0.001	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	NA	NA	NA	NA
Cadmium	(mg/l)	0.005	0.0014J	<0.002	<0.002	0.0003J	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	NA	NA	NA	NA
Chromium	(mg/l)	0.1	<0.0100	0.0311	0.00410J	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	NA	NA	NA	NA
Cobalt	(mg/l)	1	<0.0100	0.00770J	<0.010	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	0.0042J	NA	NA	NA	NA
Iron	(mg/l)	5	0.106	NA	NA	NA	NA
Iron (Dissolved)	(mg/l)	5	0.0264	NA	NA	NA	NA
Lead	(mg/l)	0.0075	<0.0020	0.0159	0.00331	<0.0020	0.0008J
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	NA	NA	NA	NA
Mercury	(mg/l)	0.002	<0.00020	<0.0002	<0.0002	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	NA	NA	NA	NA
Nickel	(mg/l)	0.1	0.0063J	0.0219	<0.010	<0.0100	<0.0100

Bordered, bolded, and highlighted cells exceed TACO GROs

Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I INGESTION	HMW-26	HMW-26	HMW-26	HMW-26	HMW-26
	SAMPLE ID		Dup-001/041020	HMW-26/050121	HMW-26/050414	DUP002/050414	HMW-26/050712
	DATE		10/20/2004	01/21/2005	04/14/2005	04/14/2005	07/12/2005
	RESULT TYPE		Duplicate 1	Primary	Primary	Duplicate 1	Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	NA	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0017J	0.0016J	0.0031	0.0033	0.0030J
Arsenic (Dissolved)	(mg/l)	0.05	NA	0.0018J	0.0019J	0.0020J	0.0022J
Barium	(mg/l)	2	0.202	0.177	0.160	0.159	0.179
Barium (Dissolved)	(mg/l)	2	NA	0.159	0.153	0.154	0.185
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	0.0004J
Beryllium (Dissolved)	(mg/l)	0.004	NA	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0003J	0.0005J	<0.0020	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	NA	0.0003J	0.0003J	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	NA	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	NA	<0.0100	<0.0100	<0.0100	<0.0100
Iron	(mg/l)	5	NA	NA	NA	NA	NA
Iron (Dissolved)	(mg/l)	5	NA	NA	NA	NA	NA
Lead	(mg/l)	0.0075	0.0006J	<0.0020	0.0025	<0.0020	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	NA	<0.0020	<0.0020	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	NA	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100

Bordered, bolded, and highlighted cells exceed TACO GROs

Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-26	HMW-26	HMW-27	HMW-27	HMW-27
	SAMPLE ID		HMW-26/051006	HMW-26/060112	HMW-27	HMW-27/040422	DUP-01/040422
	DATE		10/06/2005	01/12/2006	12/16/2003	04/22/2004	04/22/2004
	RESULT TYPE		Primary	Primary	Primary	Primary	Duplicate 1
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.005	<0.005	<0.005
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	NA	NA	NA
Arsenic	(mg/l)	0.05	0.0067	0.0069	<0.003	0.00185J	0.00118J
Arsenic (Dissolved)	(mg/l)	0.05	0.0056	0.0059	NA	NA	NA
Barium	(mg/l)	2	0.184	0.197	0.175	0.189	0.198
Barium (Dissolved)	(mg/l)	2	0.178	0.160	NA	NA	NA
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.001	<0.001	<0.001
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	NA	NA	NA
Cadmium	(mg/l)	0.005	<0.0020	0.0010J	0.000300	<0.002	0.000700
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	0.0018J	NA	NA	NA
Chromium	(mg/l)	0.1	<0.0100	<0.0100	0.00910J	<0.010	<0.010
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	NA	NA	NA
Cobalt	(mg/l)	1	<0.0100	<0.0100	0.00470J	0.00890J	0.00840J
Cobalt (Dissolved)	(mg/l)	1	<0.0100	<0.0100	NA	NA	NA
Iron	(mg/l)	5	24.7	26.2	NA	NA	NA
Iron (Dissolved)	(mg/l)	5	24.4	25.1	NA	NA	NA
Lead	(mg/l)	0.0075	<0.0020	0.0030	0.000792	0.00171J	0.00256
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	NA	NA	NA
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.0002	<0.0002	<0.0002
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	NA	NA	NA
Nickel	(mg/l)	0.1	<0.0100	<0.0100	0.0112	0.0175	0.0175

Bordered, bolded, and highlighted cells exceed TACO GROs

Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO	HMW-27	HMW-27	HMW-27	HMW-27	HMW-27
	SAMPLE ID		HMW-27/040707	HMW-27/041020	HMW-27/050121	HMW-27/050419	HMW-27/050712
	DATE		CLASS I	07/07/2004	10/20/2004	01/21/2005	04/19/2005
	RESULT TYPE		INGESTION	Primary	Primary	Primary	Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	NA	NA	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Arsenic (Dissolved)	(mg/l)	0.05	NA	NA	<0.0030	<0.0030	<0.0030
Barium	(mg/l)	2	0.182	0.119	0.142	0.114	0.0856
Barium (Dissolved)	(mg/l)	2	NA	NA	0.130	0.111	0.0854
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	NA	NA	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	0.0006J	0.0005J	0.0004J	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	NA	NA	<0.0020	0.0006J	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	NA	NA	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	0.0048J	0.0095J	0.0056J	0.0060J	0.0063J
Cobalt (Dissolved)	(mg/l)	1	NA	NA	0.0046J	0.0059J	0.0070J
Iron	(mg/l)	5	NA	NA	NA	NA	NA
Iron (Dissolved)	(mg/l)	5	NA	NA	NA	NA	NA
Lead	(mg/l)	0.0075	<0.0020	0.0019J	<0.0020	<0.0020	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	NA	NA	<0.0020	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	NA	NA	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0092J	0.0220	0.0093J	0.0201	0.0195

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
 1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO	HMW-27	HMW-27	HMW-28	HMW-28	HMW-28
	SAMPLE ID		HMW-27/051007	HMW-27/060112	HMW-28	HMW-28/040422	HMW-28/040707
	DATE		CLASS I	10/07/2005	01/12/2006	12/16/2003	04/22/2004
	RESULT TYPE		INGESTION	Primary	Primary	Primary	Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.005	<0.005	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	NA	NA	NA
Arsenic	(mg/l)	0.05	<0.0030	<0.0030	0.00142J	0.00898	<0.0030
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	<0.0030	NA	NA	NA
Barium	(mg/l)	2	0.0982	0.121	0.107	0.273	0.115
Barium (Dissolved)	(mg/l)	2	0.0936	0.0993	NA	NA	NA
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.001	<0.001	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	NA	NA	NA
Cadmium	(mg/l)	0.005	<0.0020	<0.0020	<0.002	0.00110J	0.0011J
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	0.0005J	NA	NA	NA
Chromium	(mg/l)	0.1	<0.0100	<0.0100	0.00590J	<0.010	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	NA	NA	NA
Cobalt	(mg/l)	1	0.0083J	0.0053J	0.00920J	0.0145	0.0068J
Cobalt (Dissolved)	(mg/l)	1	0.0069J	0.0057J	NA	NA	NA
Iron	(mg/l)	5	0.167	0.254	NA	NA	NA
Iron (Dissolved)	(mg/l)	5	0.175	0.151	NA	NA	NA
Lead	(mg/l)	0.0075	<0.0020	<0.0020	0.00238	0.00759	0.0028
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	NA	NA	NA
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.0002	<0.0002	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	NA	NA	NA
Nickel	(mg/l)	0.1	0.0210	0.0136	0.0221	0.0325	0.0218

Bordered, bolded, and highlighted cells exceed TACO GROs

Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-28	HMW-28	HMW-28	HMW-28	HMW-28
	SAMPLE ID		HMW-28/041020	HMW-28/050121	HMW-28/050419	HMW-28/050712	HMW-28/051007
	DATE		10/20/2004	01/21/2005	04/19/2005	07/12/2005	10/07/2005
	RESULT TYPE		Primary	Primary	Primary	Primary	Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	NA	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0044	<0.0030	<0.0030	0.0009J	<0.0030
Arsenic (Dissolved)	(mg/l)	0.05	NA	<0.0030	<0.0030	0.0007J	<0.0030
Barium	(mg/l)	2	0.173	0.0848	0.0925	0.0976	0.0903
Barium (Dissolved)	(mg/l)	2	NA	0.0764	0.0900	0.0946	0.0863
Beryllium	(mg/l)	0.004	<0.0010	0.0003J	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	NA	<0.0010	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	0.0004J	0.0003J	0.0005J	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	NA	0.0008J	0.0005J	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	NA	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	0.0193	0.0054J	0.0078J	0.0066J	0.0089J
Cobalt (Dissolved)	(mg/l)	1	NA	0.0059J	0.0074J	0.0052J	0.0096J
Iron	(mg/l)	5	NA	NA	NA	NA	<0.0200
Iron (Dissolved)	(mg/l)	5	NA	NA	NA	NA	<0.0200
Lead	(mg/l)	0.0075	0.0048	<0.0020	<0.0020	0.0008J	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	NA	<0.0020	<0.0020	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	NA	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0268	0.0186	0.0213	0.0213	0.0191

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-28	HMW-29	HMW-29	HMW-29	HMW-29
	SAMPLE ID		HMW-28/060113	HMW-29	HMW-29/040422	HMW-29/040707	HMW-29/041020
	DATE		01/13/2006	12/17/2003	04/22/2004	07/07/2004	10/20/2004
	RESULT TYPE		INGESTION	Primary	Primary	Primary	Primary
Antimony	(mg/l)	0.006	<0.0050	<0.005	<0.005	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	NA	NA	NA	NA
Arsenic	(mg/l)	0.05	<0.0030	0.00641	0.00662	0.0012J	0.0035
Arsenic (Dissolved)	(mg/l)	0.05	<0.0030	NA	NA	NA	NA
Barium	(mg/l)	2	0.0907	0.139	0.268	0.160	0.221
Barium (Dissolved)	(mg/l)	2	0.0772	NA	NA	NA	NA
Beryllium	(mg/l)	0.004	0.0003J	<0.001	<0.001	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	NA	NA	NA	NA
Cadmium	(mg/l)	0.005	0.0007J	0.000700	0.000900	0.0005J	0.0007J
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	NA	NA	NA	NA
Chromium	(mg/l)	0.1	<0.0100	<0.010	<0.010	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	NA	NA	NA	NA
Cobalt	(mg/l)	1	0.0091J	<0.010	0.00600J	0.0025J	0.0052J
Cobalt (Dissolved)	(mg/l)	1	0.0095J	NA	NA	NA	NA
Iron	(mg/l)	5	0.0070J	NA	NA	NA	NA
Iron (Dissolved)	(mg/l)	5	<0.0200	NA	NA	NA	NA
Lead	(mg/l)	0.0075	<0.0020	0.00160J	0.0238	0.0020J	0.0134
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	NA	NA	NA	NA
Mercury	(mg/l)	0.002	<0.00020	<0.0002	<0.0002	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	NA	NA	NA	NA
Nickel	(mg/l)	0.1	0.0179	0.00380J	0.0232	0.0073J	0.0152

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I INGESTION	HMW-29	HMW-29	HMW-29	HMW-29	HMW-29
	SAMPLE ID		HMW-29/052101	HMW-29/050419	HMW-29/050713	DUP-001/050713	HMW-29/051007
	DATE		01/21/2005	04/19/2005	07/13/2005	07/13/2005	10/07/2005
	RESULT TYPE		Primary	Primary	Primary	Duplicate 1	Primary
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0018J	0.0019J	0.0012J	0.0014J	0.0023J
Arsenic (Dissolved)	(mg/l)	0.05	0.0014J	<0.0030	0.0011J	0.0014J	0.0011J
Barium	(mg/l)	2	0.146	0.120	0.139	0.154	0.139
Barium (Dissolved)	(mg/l)	2	0.128	0.115	0.118	0.119	0.128
Beryllium	(mg/l)	0.004	0.0005J	<0.0010	<0.0010	<0.0010	0.0003J
Beryllium (Dissolved)	(mg/l)	0.004	0.0005J	<0.0010	0.0004J	0.0004J	<0.0010
Cadmium	(mg/l)	0.005	0.0003J	<0.0020	<0.0020	<0.0020	<0.0020
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	0.0048J	0.0023J	0.0051J	0.0048J	<0.0100
Iron	(mg/l)	5	NA	NA	NA	NA	8.11
Iron (Dissolved)	(mg/l)	5	NA	NA	3.78	4.38	6.21
Lead	(mg/l)	0.0075	0.0028	<0.0020	0.0019J	0.0028	0.0006J
Lead (Dissolved)	(mg/l)	0.0075	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	0.00010J	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	0.0098J	0.0066J	0.0109	0.0095J	<0.0100

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 7
Summary of Groundwater Analytical Results for Sentinel Wells
Metals (Total and Dissolved)

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO	HMW-29	HMW-29	HMW-29
	SAMPLE ID		DUP-001/051007	HMW-29/060113	DUP001/060113
	DATE		10/07/2005	01/13/2006	01/13/2006
	RESULT TYPE	INGESTION	Duplicate 1	Primary	Duplicate 1
Antimony	(mg/l)	0.006	<0.0050	<0.0050	<0.0050
Antimony (Dissolved)	(mg/l)	0.006	<0.0050	<0.0050	<0.0050
Arsenic	(mg/l)	0.05	0.0010J	0.0017J	0.0013J
Arsenic (Dissolved)	(mg/l)	0.05	0.0013J	0.0011J	0.0014J
Barium	(mg/l)	2	0.125	0.148	0.137
Barium (Dissolved)	(mg/l)	2	0.126	0.125	0.120
Beryllium	(mg/l)	0.004	<0.0010	<0.0010	<0.0010
Beryllium (Dissolved)	(mg/l)	0.004	<0.0010	<0.0010	<0.0010
Cadmium	(mg/l)	0.005	<0.0020	0.0014J	0.0008J
Cadmium (Dissolved)	(mg/l)	0.005	<0.0020	0.0005J	0.0003J
Chromium	(mg/l)	0.1	<0.0100	<0.0100	<0.0100
Chromium (Dissolved)	(mg/l)	0.1	<0.0100	<0.0100	<0.0100
Cobalt	(mg/l)	1	<0.0100	<0.0100	<0.0100
Cobalt (Dissolved)	(mg/l)	1	<0.0100	0.0029J	<0.0100
Iron	(mg/l)	5	6.81	8.35	8.13
Iron (Dissolved)	(mg/l)	5	7.12	8.63	8.63
Lead	(mg/l)	0.0075	0.0008J	<0.0020	<0.0020
Lead (Dissolved)	(mg/l)	0.0075	0.0005J	<0.0020	<0.0020
Mercury	(mg/l)	0.002	<0.00020	<0.00020	<0.00020
Mercury (Dissolved)	(mg/l)	0.002	<0.00020	<0.00020	<0.00020
Nickel	(mg/l)	0.1	<0.0100	<0.0100	0.0034J

Bordered, bolded, and highlighted cells exceed TACO GROs

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NOTES

TABLES 6 and 7

Tier 1 GRO-Class I = Tier 1 Class 1 Groundwater Remediation Objectives from Illinois EPA's Tiered Approach to Corrective Action Objectives (35 IAC Part 742).

mg/L = Milligrams per liter.

µg/L = Micrograms per liter.

J = Estimated value. Compound detected below the practical quantitation limit (PQL).

NA = Constituent not analyzed by laboratory.

TABLE 8
Summary of Groundwater Analytical Results for Sentinel Wells
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO	HMW-25	HMW-25	HMW-25	HMW-25	HMW-25
	SAMPLE ID		HMW-25	HMW-25/040422	HMW-25/040707	DUP-001/040707	HMW-25/041019
	DATE		CLASS I	04/22/2004	07/07/2004	07/07/2004	10/19/2004
	RESULT TYPE		INGESTION	Primary	Primary	Duplicate 1	Primary
Alkalinity (as CaCO ₃)	(mg/l)		NA	NA	NA	NA	496
Ammonia (as N)	(mg/l)		NA	NA	NA	NA	NA
Chloride	(mg/l)	200	NA	NA	NA	NA	96
COD	(mg/l)		NA	NA	NA	NA	16J
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	<0.050
Hardness (as CaCO ₃)	(mg/l)		NA	NA	NA	NA	540
Nitrate (as N)	(mg/l)	10	NA	NA	NA	NA	NA
Nitrate plus Nitrite (as N)	(mg/l)		NA	NA	NA	NA	NA
Nitrite (as N)	(mg/l)		NA	NA	NA	NA	NA
Phosphorus	(mg/l)		NA	NA	NA	NA	NA
Phosphorus (Dissolved)	(mg/l)		NA	NA	NA	NA	NA
Sulfate	(mg/l)	400	NA	NA	NA	NA	57
Sulfide	(mg/l)		NA	NA	NA	NA	0.02J
Total dissolved solids (TDS)	(mg/l)		NA	NA	NA	NA	714
Total OrganicCarbon	(mg/l)		NA	NA	NA	NA	NA
Total suspended solids	(mg/l)		NA	NA	NA	NA	9

Bordered, bolded, and highlighted cells exceed TACO GROs

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TABLE 8
Summary of Groundwater Analytical Results for Sentinel Wells
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-26	HMW-26	HMW-26	HMW-26	HMW-26
	SAMPLE ID		HWM-26	HMW-26/040422	HMW-26/040707	HMW-26/041020	Dup-001/041020
	DATE		12/16/2003	04/22/2004	07/07/2004	10/20/2004	10/20/2004
	RESULT TYPE		Primary	Primary	Primary	Primary	Duplicate 1
Alkalinity (as CaCO ₃)	(mg/l)		NA	NA	NA	584	604
Ammonia (as N)	(mg/l)		NA	NA	NA	NA	NA
Chloride	(mg/l)	200	NA	NA	NA	92	100
COD	(mg/l)		NA	NA	NA	16J	23
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.050	<0.050
Hardness (as CaCO ₃)	(mg/l)		NA	NA	NA	910	920
Nitrate (as N)	(mg/l)	10	NA	NA	NA	NA	NA
Nitrate plus Nitrite (as N)	(mg/l)		NA	NA	NA	NA	NA
Nitrite (as N)	(mg/l)		NA	NA	NA	NA	NA
Phosphorus	(mg/l)		NA	NA	NA	NA	NA
Phosphorus (Dissolved)	(mg/l)		NA	NA	NA	NA	NA
Sulfate	(mg/l)	400	NA	NA	NA	301	341
Sulfide	(mg/l)		NA	NA	NA	0.02J	0.03J
Total dissolved solids (TDS)	(mg/l)		NA	NA	NA	1210	1230
Total OrganicCarbon	(mg/l)		NA	NA	NA	NA	NA
Total suspended solids	(mg/l)		NA	NA	NA	47	67

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

TABLE 8
Summary of Groundwater Analytical Results for Sentinel Wells
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO	HMW-27	HMW-27	HMW-27	HMW-27	HMW-27
	SAMPLE ID		DATE	CLASS I	12/16/2003	04/22/2004	07/07/2004
	RESULT TYPE	INGESTION	Primary	Primary	Duplicate 1	Primary	Primary
Alkalinity (as CaCO ₃)	(mg/l)		NA	NA	NA	NA	628
Ammonia (as N)	(mg/l)		NA	NA	NA	NA	NA
Chloride	(mg/l)	200	NA	NA	NA	NA	20
COD	(mg/l)		NA	NA	NA	NA	23
Cyanide	(mg/l)	0.2	<0.007	<0.007	<0.007	<0.007	<0.050
Hardness (as CaCO ₃)	(mg/l)		NA	NA	NA	NA	830
Nitrate (as N)	(mg/l)	10	NA	NA	NA	NA	NA
Nitrate plus Nitrite (as N)	(mg/l)		NA	NA	NA	NA	NA
Nitrite (as N)	(mg/l)		NA	NA	NA	NA	NA
Phosphorus	(mg/l)		NA	NA	NA	NA	NA
Phosphorus (Dissolved)	(mg/l)		NA	NA	NA	NA	NA
Sulfate	(mg/l)	400	NA	NA	NA	NA	208
Sulfide	(mg/l)		NA	NA	NA	NA	0.03J
Total dissolved solids (TDS)	(mg/l)		NA	NA	NA	NA	928
Total OrganicCarbon	(mg/l)		NA	NA	NA	NA	NA
Total suspended solids	(mg/l)		NA	NA	NA	NA	35

Bordered, bolded, and highlighted cells exceed TACO GROs

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TABLE 8
Summary of Groundwater Analytical Results for Sentinel Wells
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-28	HMW-28	HMW-28	HMW-28	HMW-28
	SAMPLE ID		HMW-28/040422	HMW-28/040707	HMW-28/041020	HMW-28/050121	HMW-28/050419
	DATE		04/22/2004	07/07/2004	10/20/2004	01/21/2005	04/19/2005
	RESULT TYPE		Primary	Primary	Primary	Primary	Primary
Alkalinity (as CaCO ₃)	(mg/l)		NA	NA	548	540	538
Ammonia (as N)	(mg/l)		NA	NA	NA	NA	NA
Chloride	(mg/l)	200	NA	NA	36	35	45
COD	(mg/l)		NA	NA	23	<20	11J
Cyanide	(mg/l)	0.2	0.00400J	<0.007	<0.050	<0.050	<0.050
Hardness (as CaCO ₃)	(mg/l)		NA	NA	630	610	620
Nitrate (as N)	(mg/l)	10	NA	NA	NA	NA	NA
Nitrate plus Nitrite (as N)	(mg/l)		NA	NA	NA	NA	NA
Nitrite (as N)	(mg/l)		NA	NA	NA	NA	NA
Phosphorus	(mg/l)		NA	NA	NA	NA	NA
Phosphorus (Dissolved)	(mg/l)		NA	NA	NA	NA	NA
Sulfate	(mg/l)	400	NA	NA	82	79	103
Sulfide	(mg/l)		NA	NA	<0.50	<0.05	<0.05
Total dissolved solids (TDS)	(mg/l)		NA	NA	686	678	724
Total OrganicCarbon	(mg/l)		NA	NA	NA	NA	NA
Total suspended solids	(mg/l)		NA	NA	48	6	8

Bordered, bolded, and highlighted cells exceed TACO GROs

Bolded values = Detection Limit above TACO GROs

TABLE 8
Summary of Groundwater Analytical Results for Sentinel Wells
General Chemistry and Natural Attenuation Parameters

The Hartford Working Group / Hartford, Illinois
1190505040 -- Madison County -- ILR000128249

PERIOD: From 12/16/2003 thru 01/13/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE	TIER1 GRO CLASS I	HMW-29	HMW-29	HMW-29	HMW-29	HMW-29
	SAMPLE ID		HMW-29/041020	HMW-29/052101	HMW-29/050419	HMW-29/051007	DUP-001/051007
	DATE		10/20/2004	01/21/2005	04/19/2005	10/07/2005	10/07/2005
	RESULT TYPE		Primary	Primary	Primary	Primary	Duplicate 1
Alkalinity (as CaCO ₃)	(mg/l)		654	510	498	468	484
Ammonia (as N)	(mg/l)		NA	NA	NA	0.16	0.06J
Chloride	(mg/l)	200	15	15	14	17	12
COD	(mg/l)		46	52	37	23	20
Cyanide	(mg/l)	0.2	<0.050	<0.050	<0.050	<0.050	<0.050
Hardness (as CaCO ₃)	(mg/l)		540	570	560	500	470
Nitrate (as N)	(mg/l)	10	NA	NA	NA	0.04	0.02
Nitrate plus Nitrite (as N)	(mg/l)		NA	NA	NA	0.04	0.02
Nitrite (as N)	(mg/l)		NA	NA	NA	<0.0100	<0.0100
Phosphorus	(mg/l)		NA	NA	NA	NA	NA
Phosphorus (Dissolved)	(mg/l)		NA	NA	NA	0.045	0.059
Sulfate	(mg/l)	400	84	99	108	91	74
Sulfide	(mg/l)		<1.2	<0.50	<0.05	<0.05	<0.05
Total dissolved solids (TDS)	(mg/l)		622	550	664	614	612
Total OrganicCarbon	(mg/l)		NA	NA	NA	NA	NA
Total suspended solids	(mg/l)		550	91	18	37	20

Bordered, bolded, and highlighted cells exceed TACO GROs
Bolded values = Detection Limit above TACO GROs

APPENDIX A



APPENDIX A

MONITORING WELL INSPECTION REPORT

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Hartford Working Group
 Project No.: 15-03095.17-000

Date(s) of Inspection: 1/10/06
 Field Personnel: S. Wright, P. Fahney

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing Diameter (Inches)	Material	Security Well Secured/Locked	Well Cap Present	Protective Cover Present	Flush Mount Intact	Concrete Pad Present	Bumper Posts Intact	Grade/Slope Missing	
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)										
MP-59A	NM	8.79	—	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-59B	NE	NE	17.84	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-59C	32.91	32.93	—	2	PVC	Y	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-86A	NE	NE	9.83	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-86B	NE	NE	19.77	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-89A	NE	NE	9.76	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-89B	NE	NE	19.76	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-89C	NE	31.91	N/A	2	PVC	Y	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-65A	NM	16.30	N/A	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP- 165A 65B	NM	24.83	N/A	2	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
HMW-27	NM	3282	—	2	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-61A	NM	10.34	—	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
MP-61B	NE	NE	21.31	1	PVC	N	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N
HMW-42A	NE	28.0 ^{ft}	—	2	PVC	Y	Y	✓✓N	✓✓N	✓✓NN	—	—	✓✓N

ADDITIONAL COMMENTS: 26.01

Y = Yes N = No

V = Yes

EXISTING WELL INTEGRITY SURVEY FORM

PROJECT INFORMATION

Project Name: Hartford Working Group
 Project No.:

Date(s) of Inspection: 1/11/06

Field Personnel: S. Wright, C. Henderson

WELL INTEGRITY INFORMATION

Well ID	Static Levels			Well Casing	Security	Protective Cover	Flush Mount	Concrete Pad	Bumper Posts	Grade/Slope	Additional Comment(s) Below																	
	Depth to Product (FT BTOC)	Depth to Water (FT BTOC)	Total Well Depth (FT BTOC)									Present	Intact	Dented	Present	Intact	Cracked	Rubber Seal Present	Present	Intact	Cracked	Shifted Out of Place	Intact	Bent	Missing	Away From Well	Facilities Access	Standing Water
Hmw-28	NM	32.97	-	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	-	-	-	Y	Y	N	
MP-66A	NM	14.27	-	1	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	N	-	-	-	N	Y	N
MP-66B	NM	20.84	-	1	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	-	-	-	N	Y	N	
Hmw-29	NM	31.48	-	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N	-	-	-	Y	Y	N	
HMW-265	NE	NE	6.57	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	Y	N	-	-	-	Y	Y	N	
MP-87	NE	25.59	-	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	Y	N	-	-	-	Y	Y	N	
MP-81A	NM	NE	5.51	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	-	-	-	Y	Y	N	
MP-81B	NM	NE	18.81	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	-	-	-	Y	Y	N	
MP-84A	NE	8.56	-	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	-	-	-	Y	Y	N	
MP-84B	25.41	25.42	-	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	-	-	-	Y	Y	N	
MP-84C	35.21	32.04	-	2	PVC	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	-	-	-	Y	Y	N	
ADDITIONAL COMMENTS:												Y = Yes N = No																
Note: MP wells are secured with bolts, but do not have locks.																												

APPENDIX B



APPENDIX B

SUMMARY OF INDICATOR PARAMETER MEASUREMENTS – JANUARY 2006

INSTRUCTIONS: This is the raw data export format from the Win-Situ Low Flow Cell data file:HARTFORT WORKING GROUP-15-03095.15-007-HMW-25-1-13-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet that's based on a custom template' in Excel help. An example template, InSituLowFlow.xls, is provided by the Win-Situ Installation. You may copy this template from the templates subfolder in the folder where Win-Situ is installed to your Excel templates directory.

Operator Name: NORMAN BOLIVAR
 Company Name: CLAYTON GROUP SERVICES
 Project Name: HARTFORD WORKING GROUP
 Site Name: 15-03095.15-007
 Well ID: HMW-25

pH Sensor:	Installed	Target Value	0 [pH]	Target Percent	0 [%]
ORP Sensor:	Installed	Target Value	0 [mV]	Target Percent	0 [%]
DO Sensor:	Installed	Target Value	0 [ug/L]	Target Percent	0 [%]
Cond Sensor:	Installed	Target Value	0 [μ S/cm]	Target Percent	0 [%]
Turb Sensor:	Installed	Target Value	0 [NTU]	Target Percent	0 [%]

Pump Model/Type: MICROPURGE/BLADDER PUMP
 Tubing Type: POLYETHYLENE
 Tubing Diam: 0.25 [in]
 Tubing Length: 37 [ft]
 Well Depth: 38.37 [ft]
 Well Diam: 2 [in]
 Screen Len: 176.4 [in]
 Screen Depth: 23.67 [ft]
 Pump Inlet Depth: 0 [in]
 Depth to Water: 30.41 [ft]
 Pump Level (TOC): 40.37 [ft]

Final Pumping Rate: 500 [mL/min]
 Stable Draw Down: 0 [in]
 Total Volume Formula: Volume = cup (200 mL) + tubing (357.2 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
 Calculated Total Volume: 474.15 [mL]
 Actual Total Volume: 474.15 [mL]
 Calculated Measurement Interval: 57 [sec]
 Actual Measurement Interval: 57 [sec]

Start date/time: 1/13/2006 11:47:42
 End date/time: 1/13/2006 12:12:59
 Total Time: 0:25:17

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [ug/L]	Variance	Cond [μ S/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.36	0.03	161.25	1.32	11193.17	1446.05	776.17	1.73	5.89	2.17	12.73	-0.1	12:08:28
3	6.36	0	162.22	0.98	11666.02	472.85	677.56	-98.61	328.32	322.43	12.92	0.19	12:09:26
2	6.33	-0.03	163.2	0.98	9843.28	-1822.73	775.85	98.3	4.15	-324.18	12.67	-0.25	12:10:23
1	6.3	-0.03	166.02	2.82	10465.58	622.29	770.88	-4.98	2.9	-1.25	12.62	-0.05	12:11:21
0	6.31	0.02	166.61	0.59	11532.78	1067.21	777.3	6.42	3.84	0.95	12.72	0.11	12:12:19

pH Min: 6.3
 pH Max: 6.36
 ORP Min: 161.25
 ORP Max: 166.61
 DO Min: 9843.28
 DO Max: 11666.02
 Cond Min: 677.56

Channel name:

Channel number [12]

Measurement type:

pH

Channel name:

Channel number [25]

Measurement type:

Dissolved Oxygen

Channel name:

Channel number [45]

Measurement type:

Conductivity, Low Range

Channel name:

Date	Time	ET (sec)	Chan[1]	Chan[3]	Chan[4]	Chan[5]	Chan[11]	Chan[12]	Chan[25]	Chan[45]
			Temperature	Barometric	Turbidity	Battery	ORP	pH	Clark DO	Conductivity
			Celsius	Inches Hg	NTU	Volts	millivolts	pH	milligrams/L	millisiemens/cm
1/13/2006	11:47:42	0	10.89	29.23	4.7	2.811	121	6.97	13.78	0.73356
1/13/2006	11:48:39	57	11.61	29.235	147.6	2.863	118	6.98	12.45	0.72155
1/13/2006	11:49:37	115	10.69	29.235	16.1	2.863	118	6.95	12.89	0.6053
1/13/2006	11:50:34	172	10.79	29.234	10.8	2.863	118	6.94	11.54	0.62879
1/13/2006	11:51:33	231	10.87	29.235	41.2	2.837	118	6.93	12	0.62209
1/13/2006	11:52:19	277	11.17	29.235	52.2	2.837	120	6.86	11.97	0.64312
1/13/2006	11:52:31	289	11.5	29.236	5.9	2.863	120	6.85	12.17	0.66994
1/13/2006	11:52:49	307	10.98	29.234	40.8	2.811	120	6.85	11.79	0.65098
1/13/2006	11:53:05	323	11.34	29.234	14.7	2.863	121	6.84	10.79	0.65778
1/13/2006	11:54:03	381	11.85	29.236	150.9	2.863	121	6.81	10.33	0.67791
1/13/2006	11:55:00	438	11.98	29.234	4.2	2.863	123	6.77	10.23	0.7166
1/13/2006	11:55:58	496	12.3	29.236	5.6	2.863	128	6.64	12	0.72896
1/13/2006	11:56:56	554	12.32	29.238	4.8	2.863	127	6.66	10.86	0.73022
1/13/2006	11:57:54	612	12.42	29.238	9.8	2.863	128	6.63	13.4	0.75615
1/13/2006	11:58:51	669	12.2	29.241	120.1	2.863	132	6.57	12.97	0.74154
1/13/2006	11:59:49	727	12.03	29.241	4.2	2.863	136	6.5	12.24	0.7525
1/13/2006	12:00:46	784	12.51	29.239	6.4	2.863	139	6.44	12.14	0.7512
1/13/2006	12:01:44	842	12.59	29.241	4.6	2.863	143	6.44	12.13	0.73812
1/13/2006	12:02:41	899	12.71	29.242	4.6	2.863	146	6.42	11.32	0.76845
1/13/2006	12:03:39	957	12.53	29.239	27.6	2.837	148	6.43	11.96	0.75888
1/13/2006	12:04:37	1015	12.39	29.243	228	2.863	154	6.33	10.8	0.77224
1/13/2006	12:05:34	1072	12.43	29.243	4	2.811	156	6.35	11.73	0.75909
1/13/2006	12:06:33	1131	12.76	29.246	3.8	2.863	159	6.31	10.59	0.76966
1/13/2006	12:07:30	1188	12.83	29.245	3.7	2.785	160	6.32	9.75	0.77444
1/13/2006	12:08:28	1246	12.73	29.245	5.9	2.863	161	6.36	11.19	0.77617
1/13/2006	12:09:26	1304	12.92	29.244	328.3	2.863	162	6.36	11.67	0.67756
1/13/2006	12:10:23	1361	12.67	29.246	4.1	2.863	163	6.33	9.84	0.77585
1/13/2006	12:11:21	1419	12.62	29.246	2.9	2.863	166	6.3	10.47	0.77088
1/13/2006	12:12:19	1477	12.72	29.245	3.8	2.863	167	6.31	11.53	0.7773

Cond Min: 1419.81
Cond Max: 1427.56
Turb Min: 4.94
Turb Max: 7.57
Temp Min: 16.31
Temp Max: 16.33

Notes:

Device Record:

In-Situ Inc. Troll 9000 Profiler XP

Report generated: 3/1/2006 12:54:55
Report from file: ...\\HARTFORD WORKING GROUP-15-03095.15-007-HMW-26-1-12-2006.flo.bin
Win-Situ Version 4.523

Serial number: 31963
Firmware Version 1.55
Unit name: MP Troll 9000

Test name: Low Flow

Test defined on: 1/12/2006 14:44:02
Test started on: 1/12/2006 14:44:02
Test stopped on: N/A N/A

Data gathered using Event testing
Time between data points: 0.0 Seconds.
Time between default storages: 0.0 Seconds.
Monitoring data on channel [1]
Data stored if delta value exceeds: 0 Celsius
Number of data samples: 9

TOTAL DATA SAMPLES 9

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP

INSTRUCTIONS: This is the raw data export format from the Win-Situ Low Flow Cell data file:HARTFORT WORKING GROUP-15-03095.15-007-HMW-27-1-12-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet that's based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ Installation. You may copy this template from the templates subfolder in the folder where Win-Situ is installed to your Excel templates directory.

Operator Name: NORMAN BOLIVAR
 Company Name: CLAYTON GROUP SERVICES
 Project Name: HARTFORD WORKING GROUP
 Site Name: 15-03095.15-007
 Well ID: HMW-27

pH Sensor:	Installed	Target Value	0 [pH]	Target Percent	0 [%]
ORP Sensor:	Installed	Target Value	0 [mV]	Target Percent	0 [%]
DO Sensor:	Installed	Target Value	0 [ug/L]	Target Percent	0 [%]
Cond Sensor:	Installed	Target Value	0 [uS/cm]	Target Percent	0 [%]
Turb Sensor:	Installed	Target Value	0 [NTU]	Target Percent	0 [%]

Pump Model/Type: MICROPURGE/BLADDER PUMP
 Tubing Type: POLYETHYLENE
 Tubing Diam: 0.25 [in]
 Tubing Length: 38 [ft]
 Well Depth: 39.32 [ft]
 Well Diam: 2 [in]
 Screen Len: 176.4 [in]
 Screen Depth: 24.62 [ft]
 Pump Inlet Depth: 0 [in]
 Depth to Water: 32.77 [ft]
 Pump Level (TOC): 34.77 [ft]

Final Pumping Rate: 500 [mL/min]
 Stable Draw Down: 0 [in]
 Total Volume Formula: Volume = cup (200 mL) + tubing (366.8 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
 Calculated Total Volume: 483.81 [mL]
 Actual Total Volume: 483.81 [mL]
 Calculated Measurement Interval: 59 [sec]
 Actual Measurement Interval: 59 [sec]

Start date/time: 1/12/2006 16:11:08
 End date/time: 1/12/2006 16:22:44
 Total Time: 0:11:36

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [ug/L]	Variance	Cond [uS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.44	0	76.13	-0.3	3840.38	-118.88	1298.84	2.92	3.16	-1.72	16.16	-0.02	16:18:07
3	6.44	0	76.25	0.13	3371.83	-468.55	1299.2	0.36	2.11	-1.05	16.17	0.01	16:19:07
2	6.44	0	75.87	-0.39	3740.62	368.79	1298.83	-0.37	1.45	-0.65	16.18	0.01	16:20:07
1	6.44	0	75.57	-0.3	3877.26	136.64	1299.94	1.11	1.49	0.04	16.18	0	16:21:07
0	6.44	0	75.23	-0.34	3804.91	-72.35	1298.48	-1.46	1	-0.5	16.17	-0.01	16:22:08

pH Min: 6.44
 pH Max: 6.44
 ORP Min: 75.23
 ORP Max: 76.25
 DO Min: 3371.83
 DO Max: 3877.26
 Cond Min: 1298.48

Channel number [12]

Measurement type:

Channel name:

pH

Channel number [25]

Measurement type:

Channel name:

Dissolved Oxygen

Channel number [45]

Measurement type:

Channel name:

Conductivity, Low Range

Date	Time	ET (sec)	Chan[1]		Chan[3] Barometric Inches Hg	Chan[4] Turbidity NTU	Chan[5] Battery Volts	Chan[11] ORP millivolts	Chan[12] pH pH	Chan[25] Clark DO milligrams/L	Chan[45] Conductivity millisiemens/cm	Actual Conductivity
			Temperature Celsius									
1/12/2006	16:11:08	0	14.93	29.135		0.4	2.837	96	6.53	10.57	1.20274	
1/12/2006	16:12:07	59	16.23	29.134		3.1	2.863	94	6.44	5.18	1.29091	
1/12/2006	16:13:06	118	16.2	29.135		3.7	2.863	85	6.45	4.3	1.29599	
1/12/2006	16:14:07	179	16.19	29.134		4.7	2.863	82	6.45	4.1	1.29378	
1/12/2006	16:15:07	239	16.17	29.136		4.6	2.863	79	6.44	4.08	1.29303	
1/12/2006	16:16:07	299	16.16	29.137		2.5	2.811	78	6.44	4	1.29192	
1/12/2006	16:17:07	359	16.18	29.137		4.9	2.863	76	6.44	3.96	1.29592	
1/12/2006	16:18:07	419	16.16	29.137		3.2	2.889	76	6.44	3.84	1.29884	
1/12/2006	16:19:07	479	16.17	29.139		2.1	2.811	76	6.44	3.37	1.2992	
1/12/2006	16:20:07	539	16.18	29.139		1.5	2.889	76	6.44	3.74	1.29883	
1/12/2006	16:21:07	599	16.18	29.139		1.5	2.889	76	6.44	3.88	1.29994	
1/12/2006	16:22:08	660	16.17	29.139		1	2.811	75	6.44	3.8	1.29848	

Turb Min: -0.24
Turb Max: -0.1
Temp Min: 14.64
Temp Max: 14.71

Notes:

Device Record:

In-Situ Inc. Troll 9000 Profiler XP

Report generated: 3/1/2006 12:56:17
Report from file: ...\\HARTFORD WORKING GROUP-15-03095.15-007-HMW-28-1-13-2006.flo.bin
Win-Situ Version 4.523

Serial number: 31963
Firmware Version 1.55
Unit name: MP Troll 9000

Test name: Low Flow

Test defined on: 1/13/2006 7:36:00
Test started on: 1/13/2006 7:36:00
Test stopped on: N/A N/A

Data gathered using Event testing
Time between data points: 0.0 Seconds.
Time between default storages: 0.0 Seconds.
Monitoring data on channel [1]
Data stored if delta value exceeds: 0 Celsius
Number of data samples: 10

TOTAL DATA SAMPLES 10

Channel number [1]
Measurement type: Temperature
Channel name:

Channel number [3]
Measurement type: Barometric Pressure
Channel name:

Channel number [4]
Measurement type: Turbidity
Channel name:

Channel number [5]
Measurement type: Battery Voltage
Channel name:

Channel number [11]
Measurement type: ORP
Channel name:

Channel number [12]

INSTRUCTIONS: This is the raw data export format from the Win-Situ Low Flow Cell data file:HARTFORT WORKING GROUP-15-03095.15-007-HMW-29-1-13-2006.flo To Generate a report insert a new sheet based on a sheet template. See 'Sheet Template' and 'Insert a new sheet that's based on a custom template' in Excel help. An example template, InSituLowFlow.xlt, is provided by the Win-Situ Installation. You may copy this template from the templates subfolder in the folder where Win-Situ is installed to your Excel templates directory.

Operator Name: NORMAN BOLIVAR
 Company Name: CLAYTON GROUP SERVICES
 Project Name: HARTFORD WORKING GROUP
 Site Name: 15-03095.15-007
 Well ID: HMW-29

pH Sensor:	Installed	Target Value	0 [pH]	Target Percent	0 [%]
ORP Sensor:	Installed	Target Value	0 [mV]	Target Percent	0 [%]
DO Sensor:	Installed	Target Value	0 [ug/L]	Target Percent	0 [%]
Cond Sensor:	Installed	Target Value	0 [uS/cm]	Target Percent	0 [%]
Turb Sensor:	Installed	Target Value	0 [NTU]	Target Percent	0 [%]

Pump Model/Type: MICROPURGE/BLADDER PUMP
 Tubing Type: POLYETHYLENE
 Tubing Diam: 0.25 [in]
 Tubing Length: 38 [ft]
 Well Depth: 39.56 [ft]
 Well Diam: 2 [in]
 Screen Len: 176.4 [in]
 Screen Depth: 24.86 [ft]
 Pump Inlet Depth: 0 [in]
 Depth to Water: 31.53 [ft]
 Pump Level (TOC): 33.53 [ft]

Final Pumping Rate: 500 [mL/min]
 Stable Draw Down: 0 [in]
 Total Volume Formula: Volume = cup (200 mL) + tubing (366.8 mL) - pH_ORP (16 mL) - DO (14 mL) - Cond (13 mL) - Turb (40 mL)
 Calculated Total Volume: 483.81 [mL]
 Actual Total Volume: 483.81 [mL]
 Calculated Measurement Interval: 59 [sec]
 Actual Measurement Interval: 59 [sec]

Start date/time: 1/13/2006 9:09:54
 End date/time: 1/13/2006 9:24:54
 Total Time: 0:15:00

Reading #	pH [pH]	Variance	ORP [mV]	Variance	DO [ug/L]	Variance	Cond [uS/cm]	Variance	Turb [NTU]	Variance	Temp [C]	Variance	Time
4	6.8	0	-40.33	-1.16	5586.27	-636.27	905.94	-0.75	24.88	0.4	13.67	0.11	9:20:21
3	6.8	0	-41.06	-0.73	5423.15	-163.12	905.92	-0.01	17.75	-7.13	13.71	0.05	9:21:22
2	6.8	0	-41.75	-0.69	5255.8	-167.36	903.89	-2.03	13.56	-4.19	13.77	0.06	9:22:22
1	6.8	0	-42.56	-0.81	5124.8	-130.99	903.89	-0.01	15.25	1.69	13.84	0.06	9:23:21
0	6.8	0	-43.12	-0.56	5023.22	-101.59	896.98	-6.91	13.8	-1.45	13.73	-0.11	9:24:21

pH Min: 6.8
 pH Max: 6.8
 ORP Min: -43.12
 ORP Max: -40.33
 DO Min: 5023.22
 DO Max: 5586.27
 Cond Min: 896.98
 Cond Max: 905.94

Measurement type:

pH

Channel name:

Channel number [25]

Dissolved Oxygen

Channel name:

Channel number [45]

Conductivity, Low Range

Channel name:

Date	Time	ET (sec)	Chan[1]	Chan[3]	Chan[4]	Chan[5]	Chan[11]	Chan[12]	Chan[25]	Chan[45]
			Temperature Celsius	Barometric Inches Hg	Turbidity NTU	Battery Volts	ORP millivolts	pH pH	Clark DO milligrams/L	Conductivity millisiemens/cm
1/13/2006	9:09:54	0	9.29	29.205	87.2	2.837	21	6.97	20.96	0.59558
1/13/2006	9:10:20	26	12.15	29.205	90.4	2.811	-1	6.85	17.2	0.86954
1/13/2006	9:11:20	86	12.92	29.205	98.7	2.837	-18	6.82	13.97	0.89602
1/13/2006	9:12:19	145	13.2	29.204	111.1	2.837	-25	6.82	11.94	0.90395
1/13/2006	9:13:20	206	13.25	29.207	79	2.785	-29	6.82	10.22	0.90722
1/13/2006	9:14:20	266	13.3	29.207	67.4	2.863	-32	6.82	8.99	0.90959
1/13/2006	9:15:20	326	13.41	29.207	52.6	2.863	-34	6.81	8.13	0.9103
1/13/2006	9:16:19	385	13.62	29.208	79.5	2.837	-36	6.81	7.42	0.91287
1/13/2006	9:17:20	446	13.52	29.21	69.6	2.863	-37	6.81	7.09	0.9095
1/13/2006	9:18:20	506	13.65	29.212	34.3	2.785	-38	6.8	6.73	0.91059
1/13/2006	9:19:21	567	13.55	29.209	24.5	2.863	-39	6.8	6.22	0.90669
1/13/2006	9:20:21	627	13.67	29.213	24.9	2.863	-40	6.8	5.59	0.90594
1/13/2006	9:21:22	688	13.71	29.213	17.7	2.863	-41	6.8	5.42	0.90592
1/13/2006	9:22:22	748	13.77	29.213	13.6	2.863	-42	6.8	5.26	0.9039
1/13/2006	9:23:21	807	13.84	29.216	15.2	2.863	-43	6.8	5.12	0.90389
1/13/2006	9:24:21	867	13.73	29.214	13.8	2.863	-43	6.8	5.02	0.89698

APPENDIX C





APPENDIX C

LABORATORY ANALYTICAL REPORTS

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

January 25, 2006

Ken Comire
Clayton Group Services
3140 Finley Road
Downers Grove, IL 60515
TEL: (630) 795-3203
FAX: (630) 795-1130



RE: Hartford Working Group

OrderNo. 06010337

Dear Ken Comire:

TEKLAB, INC received 4 samples on 1/13/2006 3:30:00 PM for the analysis presented in the following report. A list of report contents can be found on the following page.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest that have been tested. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted in the Case Narrative. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Kelly A. Klostermann".

Kelly A. Klostermann
Project Manager

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Clayton Group Services
Project: Hartford Working Group
LabOrder: 06010337
Report Date: January 25, 2006

CASE NARRATIVE

Cooler Receipt Temp 2.8 °C

MS/MSD for A_TOC_E_AT, I_COD_M_AT, I_HARD_M_AT, and A_N3N2_E_AT analyzed on workorder 06010338.

Qualifiers		
DF	- Dilution Factor	B - Analyte detected in the associated Method Blank
RL	- Reporting Limit	J - Analyte detected below reporting limits
ND	- Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
Surr	- Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits
TNTC	- Too numerous to count	* - Value exceeds Maximum Contaminant Level
IDPH	- Illinois Department of Public Health	NELAP - IL ELAP and NELAP Accredited Field of Testing
		E - Value above quantitation range
		H - Holding time exceeded
		D - Diluted out of sample
		MI - Matrix interference
		DNI Did Not Ignite

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010337
Lab ID: 06010337-001
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: HMW-25/060113
Collection Date: 1/13/2006 12:20:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst	
<u>SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)</u>									
Zinc	NELAP	0.0100	J	0.0078	mg/L	1	1/19/2006 6:34:15 PM	JMW	
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>									
Barium	NELAP	0.0050		0.251	mg/L	1	1/20/2006 5:51:18 PM	JMW	
Beryllium	NELAP	0.0010	J	0.0008	mg/L	1	1/20/2006 5:51:18 PM	JMW	
Cadmium	NELAP	0.0020	J	0.0014	mg/L	1	1/20/2006 5:51:18 PM	JMW	
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	1/19/2006 3:53:57 PM	CRK	
Cobalt	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 5:51:18 PM	JMW	
Iron	NELAP	0.0200		0.106	mg/L	1	1/20/2006 5:51:18 PM	JMW	
Nickel	NELAP	0.0100	J	0.0063	mg/L	1	1/23/2006 12:16:48 PM	JMW	
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/19/2006 2:21:10 PM	CRK	
Vanadium	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 5:51:18 PM	JMW	
Zinc	NELAP	0.0100	J	0.0048	mg/L	1	1/20/2006 5:51:18 PM	JMW	
<u>SW-846 3005A, METALS BY GFAA (DISSOLVED)</u>									
Antimony	7041	NELAP	0.0050	J	0.0030	mg/L	1	1/16/2006	SRH
Arsenic	7060A	NELAP	0.0030		< 0.0030	mg/L	1	1/17/2006	JMF
Lead	7421	NELAP	0.0020		< 0.0020	mg/L	1	1/17/2006	SRH
Selenium	7740	NELAP	0.0060		< 0.0060	mg/L	1	1/16/2006	JMF
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>									
Antimony	7041	NELAP	0.0050		< 0.0050	mg/L	1	1/18/2006	SRH
Arsenic	7060A	NELAP	0.0030		< 0.0030	mg/L	1	1/19/2006	JMF
Lead	7421	NELAP	0.0020		< 0.0020	mg/L	1	1/20/2006	SRH
Selenium	7740	NELAP	0.0060		< 0.0060	mg/L	1	1/20/2006	JMF
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>									
Benzene	NELAP	2.0			ND	µg/L	1	1/15/2006 5:10:00 AM	TAL
Ethylbenzene	NELAP	5.0			ND	µg/L	1	1/15/2006 5:10:00 AM	TAL
Methyl tert-butyl ether	NELAP	2.0			ND	µg/L	1	1/15/2006 5:10:00 AM	TAL
Toluene	NELAP	5.0			ND	µg/L	1	1/15/2006 5:10:00 AM	TAL
Xylenes, Total	NELAP	5.0			ND	µg/L	1	1/15/2006 5:10:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		73.9-129			106	%REC	1	1/15/2006 5:10:00 AM	TAL
Surr: 4-Bromofluorobenzene		83-113			104	%REC	1	1/15/2006 5:10:00 AM	TAL
Surr: Dibromofluoromethane		83.8-118			103	%REC	1	1/15/2006 5:10:00 AM	TAL
Surr: Toluene-d8		85.5-115			98.9	%REC	1	1/15/2006 5:10:00 AM	TAL
<u>SW-846 7470A (DISSOLVED)</u>									
Mercury	NELAP	0.00020			< 0.00020	mg/L	1	1/18/2006	CRK
<u>SW-846 7470A (TOTAL)</u>									
Mercury	NELAP	0.00020			< 0.00020	mg/L	1	1/18/2006	CRK

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010337
Lab ID: 06010337-002
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: HMW-28/060113
Collection Date: 1/13/2006 7:50:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA 415.1, ORGANIC CARBON								
Total Organic Carbon (TOC)	NELAP	1.0		4.5	mg/L	1	1/19/2006	SMR
EPA 600 350.1 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		< 0.10	mg/L	1	1/17/2006	NNH
EPA 600 353.2 (TOTAL)								
Nitrogen, Nitrate (as N)	NELAP	0.010		0.081	mg/L	1	1/18/2006	SMR
Nitrogen, Nitrate-Nitrite (as N)	NELAP	0.010		0.081	mg/L	1	1/18/2006	SMR
EPA 600 353.3 (TOTAL)								
Nitrogen, Nitrite (as N)	NELAP	0.010		< 0.010	mg/L	1	1/13/2006 4:30:00 PM	SMK
EPA 600 365.2 (DISSOLVED)								
Phosphorus, Total Dissolved (as P)	NELAP	0.020	J	0.016	mg/L	1	1/18/2006	NLF
EPA 600 365.2 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.020	J	0.016	mg/L	1	1/18/2006	NLF
STANDARD METHODS 18TH ED. 2320 B								
Alkalinity, Total (as CaCO ₃)	NELAP	0		552	mg/L	1	1/19/2006	KLE
STANDARD METHODS 18TH ED. 2340 C								
Hardness, as (CaCO ₃)	NELAP	5		630	mg/L	1	1/20/2006	MLD
STANDARD METHODS 18TH ED. 2540 C (TOTAL)								
Total Dissolved Solids	NELAP	20		708	mg/L	1	1/17/2006	KLE
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	1/14/2006	SMK
STANDARD METHODS 18TH ED. 4500-S D (TOTAL)								
Sulfide, Total - Colorimetric	NELAP	0.05		< 0.05	mg/L	1	1/16/2006 11:30:00 AM	NNH
STANDARD METHODS 18TH ED. 5220 D (TOTAL)								
Chemical Oxygen Demand	NELAP	20		23	mg/L	1	1/16/2006	KM
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.007		< 0.007	mg/L	1	1/17/2006	SMR
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)								
Barium	NELAP	0.0050		0.0772	mg/L	1	1/20/2006 3:51:13 PM	JMW
Beryllium	NELAP	0.0010		< 0.0010	mg/L	1	1/19/2006 6:39:18 PM	JMW
Cadmium	NELAP	0.0020		< 0.0020	mg/L	1	1/20/2006 12:26:57 PM	CRK
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 12:26:57 PM	CRK
Cobalt	NELAP	0.0100	J	0.0095	mg/L	1	1/20/2006 3:51:13 PM	JMW
Iron	NELAP	0.0200		< 0.0200	mg/L	1	1/19/2006 6:39:18 PM	JMW
Nickel	NELAP	0.0100		0.0129	mg/L	1	1/23/2006 12:31:58 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 12:26:57 PM	CRK
Vanadium	NELAP	0.0100		< 0.0100	mg/L	1	1/19/2006 6:39:18 PM	JMW

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ENVIRONMENTAL TESTING LABORATORY

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Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010337
Lab ID: 06010337-002
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: HMW-28/060113
Collection Date: 1/13/2006 7:50:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9036 (TOTAL)</u>								
Sulfate	NELAP	40		73	mg/L	1	1/16/2006	NNH
<u>SW-846 9251 (TOTAL)</u>								
Chloride	NELAP	1		35	mg/L	1	1/16/2006	NNH

Sample Narrative

TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010337
Lab ID: 06010337-003
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: HMW-29/060113
Collection Date: 1/13/2006 9:30:00 AM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst	
<u>SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)</u>									
Zinc	NELAP	0.0100	J	0.0024	mg/L	1	1/19/2006 6:53:58 PM	JMW	
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>									
Barium	NELAP	0.0050		0.148	mg/L	1	1/20/2006 5:36:31 PM	JMW	
Beryllium	NELAP	0.0010		< 0.0010	mg/L	1	1/20/2006 5:36:31 PM	JMW	
Cadmium	NELAP	0.0020	J	0.0014	mg/L	1	1/20/2006 5:36:31 PM	JMW	
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	1/19/2006 4:02:00 PM	CRK	
Cobalt	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 5:36:31 PM	JMW	
Iron	NELAP	0.0200		8.35	mg/L	1	1/20/2006 5:36:31 PM	JMW	
Nickel	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 5:36:31 PM	JMW	
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/19/2006 2:29:00 PM	CRK	
Vanadium	NELAP	0.0100	J	0.0048	mg/L	1	1/19/2006 4:02:00 PM	CRK	
Zinc	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 5:36:31 PM	JMW	
<u>SW-846 3005A, METALS BY GFAA (DISSOLVED)</u>									
Antimony	7041	NELAP	0.0050	< 0.0050	mg/L	1	1/16/2006	SRH	
Arsenic	7060A	NELAP	0.0030	J	0.0011	mg/L	1	1/17/2006	JMF
Lead	7421	NELAP	0.0020	< 0.0020	mg/L	1	1/17/2006	SRH	
Selenium	7740	NELAP	0.0060	< 0.0060	mg/L	1	1/16/2006	JMF	
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>									
Antimony	7041	NELAP	0.0050	< 0.0050	mg/L	1	1/18/2006	SRH	
Arsenic	7060A	NELAP	0.0030	J	0.0017	mg/L	1	1/19/2006	JMF
Lead	7421	NELAP	0.0020	< 0.0020	mg/L	1	1/20/2006	SRH	
Selenium	7740	NELAP	0.0060	< 0.0060	mg/L	1	1/18/2006	JMF	
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>									
Benzene	NELAP	2.0		ND	µg/L	1	1/15/2006 6:11:00 AM	TAL	
Ethylbenzene	NELAP	5.0		ND	µg/L	1	1/15/2006 6:11:00 AM	TAL	
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	1/15/2006 6:11:00 AM	TAL	
Toluene	NELAP	5.0		ND	µg/L	1	1/15/2006 6:11:00 AM	TAL	
Xylenes, Total	NELAP	5.0		ND	µg/L	1	1/15/2006 6:11:00 AM	TAL	
Surr: 1,2-Dichloroethane-d4		73.9-129		104	%REC	1	1/15/2006 6:11:00 AM	TAL	
Surr: 4-Bromofluorobenzene		83-113		105	%REC	1	1/15/2006 6:11:00 AM	TAL	
Surr: Dibromofluoromethane		83.8-118		102	%REC	1	1/15/2006 6:11:00 AM	TAL	
Surr: Toluene-d8		85.5-115		101	%REC	1	1/15/2006 6:11:00 AM	TAL	
<u>SW-846 7470A (DISSOLVED)</u>									
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	1/18/2006	CRK	
<u>SW-846 7470A (TOTAL)</u>									
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	1/18/2006	CRK	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010337
Lab ID: 06010337-004
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: DUP001/060113
Collection Date: 1/13/2006
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA 415.1, ORGANIC CARBON								
Total Organic Carbon (TOC)	NELAP	1.0		1.4	mg/L	1	1/19/2006	SMR
EPA 600 350.1 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10		0.12	mg/L	1	1/17/2006	NNH
EPA 600 353.2 (TOTAL)								
Nitrogen, Nitrate (as N)	NELAP	0.010		0.044	mg/L	1	1/18/2006	SMR
Nitrogen, Nitrate-Nitrite (as N)	NELAP	0.010		0.044	mg/L	1	1/18/2006	SMR
EPA 600 353.3 (TOTAL)								
Nitrogen, Nitrite (as N)	NELAP	0.010		< 0.010	mg/L	1	1/13/2006 4:30:00 PM	SMK
EPA 600 365.2 (DISSOLVED)								
Phosphorus, Total Dissolved (as P)	NELAP	0.020		0.077	mg/L	1	1/18/2006	NLF
EPA 600 365.2 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.020		0.092	mg/L	1	1/19/2006	NLF
STANDARD METHODS 18TH ED. 2320 B								
Alkalinity, Total (as CaCO ₃)	NELAP	0		514	mg/L	1	1/19/2006	KLE
STANDARD METHODS 18TH ED. 2340 C								
Hardness, as (CaCO ₃)	NELAP	5		610	mg/L	1	1/20/2006	MLD
STANDARD METHODS 18TH ED. 2540 C (TOTAL)								
Total Dissolved Solids	NELAP	20		706	mg/L	1	1/17/2006	KLE
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		8	mg/L	1	1/14/2006	SMK
STANDARD METHODS 18TH ED. 4500-S D (TOTAL)								
Sulfide, Total - Colorimetric	NELAP	0.05		< 0.05	mg/L	1	1/16/2006 11:30:00 AM	NNH
STANDARD METHODS 18TH ED. 5220 D (TOTAL)								
Chemical Oxygen Demand	NELAP	20		< 20	mg/L	1	1/16/2006	KM
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.007		< 0.007	mg/L	1	1/17/2006	SMR
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)								
Barium	NELAP	0.0050		0.120	mg/L	1	1/20/2006 4:01:21 PM	JMW
Beryllium	NELAP	0.0010		< 0.0010	mg/L	1	1/19/2006 6:59:01 PM	JMW
Cadmium	NELAP	0.0020	J	0.0003	mg/L	1	1/20/2006 12:31:52 PM	CRK
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 12:31:52 PM	CRK
Cobalt	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 4:01:21 PM	JMW
Iron	NELAP	0.0200		8.63	mg/L	1	1/19/2006 6:59:01 PM	JMW
Nickel	NELAP	0.0100		< 0.0100	mg/L	1	1/19/2006 6:59:01 PM	JMW
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/20/2006 12:31:52 PM	CRK
Vanadium	NELAP	0.0100		< 0.0100	mg/L	1	1/19/2006 6:59:01 PM	JMW

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ENVIRONMENTAL TESTING LABORATORY

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Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010337
Lab ID: 06010337-004
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: DUP001/060113
Collection Date: 1/13/2006
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9036 (TOTAL)</u>								
Sulfate	NELAP	40		122	mg/L	1	1/16/2006	NNH
<u>SW-846 9251 (TOTAL)</u>								
Chloride	NELAP	1		29	mg/L	1	1/16/2006	NNH

Sample Narrative

SW-846 9036 (Total)

MS/MSD - Result is slightly above upper calibration range.

TEKLAB, INC.

5445 HORSeshoe Lake Road
Collinsville, Illinois 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: Clayton Group Services

Project: Hartford Working Group

Lab Order: 06010337

Date Received: 1/13/2006

WORK ORDER SAMPLE SUMMARY

Date: 25-Jan-06

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
06010337-0041	DUP001/060113		1/13/2006

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Clayton Group Services
Project: Hartford Working Group
Lab Order: 06010337
Date Received: 1/13/2006 3:30:00 PM

DATES REPORT

Date: 25-Jan-06

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
06010337-001C	HMW-25/060113	1/13/2006	Groundwater	SW-846 3005A, Metals by GFAA (Dissolved) SW-846 3005A, Metals by GFAA (Dissolved) SW-846 7470A (Dissolved)	1/16/2006	1/17/2006	1/17/2006
06010337-001D				SW-846 9012A (Total)			1/17/2006
06010337-001E				Standard Methods 18th Ed. 4500-S D (Total)			1/16/2006
06010337-001F				EPA 600 350.1 (Total) EPA 600 353.2 (Total) EPA 600 365.2 (Total)			1/17/2006
				Standard Methods 18th Ed. 5220 D (Total)			1/18/2006
06010337-001G				EPA 600 365.2 (Dissolved)			1/18/2006
06010337-001H				EPA 415.1, Organic Carbon			1/19/2006
06010337-001I				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	1/14/2006		1/15/2006
06010337-002A	HMW-28/060113			EPA 600 353.3 (Total) Standard Methods 18th Ed. 2320 B Standard Methods 18th Ed. 2340 C Standard Methods 18th Ed. 2540 C (Total) Standard Methods 18th Ed. 2540 D SW-846 9036 (Total) SW-846 9251 (Total)			1/13/2006
							1/19/2006
							1/20/2006
							1/17/2006
							1/14/2006
							1/16/2006
06010337-002B				SW-846 3005A, 6010B, Metals by ICP (Total) SW-846 3005A, 6010B, Metals by ICP (Total) SW-846 3005A, 6010B, Metals by ICP (Total)	1/16/2006		1/19/2006
							1/16/2006
							1/19/2006
							1/16/2006
							1/23/2006

TEKLAB, INC.

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Clayton Group Services
Project: Hartford Working Group
Lab Order: 06010337
Date Received: 1/13/2006 3:30:00 PM

DATES REPORT

Date: 25-Jan-06

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
06010337-002H	HMW-28/060113	1/13/2006	Groundwater	EPA 415.1, Organic Carbon			1/19/2006
06010337-002I				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	1/14/2006		1/15/2006
06010337-003A	HMW-29/060113			EPA 600 353.3 (Total)			1/13/2006
				Standard Methods 18th Ed. 2320 B			1/19/2006
				Standard Methods 18th Ed. 2340 C			1/20/2006
				Standard Methods 18th Ed. 2540 C (Total)			1/17/2006
				Standard Methods 18th Ed. 2540 D			1/14/2006
				SW-846 9036 (Total)			1/16/2006
				SW-846 9251 (Total)			1/16/2006
06010337-003B				SW-846 3005A, 6010B, Metals by ICP (Total)	1/16/2006		1/20/2006
				SW-846 3005A, 6010B, Metals by ICP (Total)	1/16/2006		1/19/2006
				SW-846 3005A, 6010B, Metals by ICP (Total)	1/16/2006		1/19/2006
				SW-846 3020A, Metals by GFAA (Total)	1/16/2006		1/18/2006
				SW-846 3020A, Metals by GFAA (Total)	1/16/2006		1/18/2006
				SW-846 3020A, Metals by GFAA (Total)	1/19/2006		1/20/2006
				SW-846 3020A, Metals by GFAA (Total)	1/16/2006		1/19/2006
				SW-846 7470A (Total)	1/17/2006		1/18/2006
06010337-003C				SW-846 3005A, 6010B, Metals by ICP (Dissolved)	1/16/2006		1/20/2006
				SW-846 3005A, 6010B, Metals by ICP (Dissolved)	1/16/2006		1/19/2006
				SW-846 3005A, 6010B, Metals by ICP (Dissolved)	1/16/2006		1/20/2006
				SW-846 3005A, Metals by GFAA (Dissolved)	1/16/2006		1/17/2006
				SW-846 3005A, Metals by GFAA (Dissolved)	1/16/2006		1/17/2006

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Clayton Group Services
Project: Hartford Working Group
Lab Order: 06010337
Date Received: 1/13/2006 3:30:00 PM

DATES REPORT

Date: 25-Jan-06

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
06010337-004B	DUP001/060113	1/13/2006	Groundwater	SW-846 3020A, Metals by GFAA (Total) SW-846 7470A (Total)	1/16/2006	1/19/2006	1/19/2006
06010337-004C				SW-846 3005A, 6010B, Metals by ICP (Dissolved) SW-846 3005A, 6010B, Metals by ICP (Dissolved) SW-846 3005A, 6010B, Metals by ICP (Dissolved) SW-846 3005A, Metals by GFAA (Dissolved) SW-846 7470A (Dissolved)	1/16/2006	1/20/2006	1/20/2006
06010337-004D				SW-846 9012A (Total)		1/17/2006	
06010337-004E				Standard Methods 18th Ed. 4500-S D (Total)		1/16/2006	
06010337-004F				EPA 600 350.1 (Total) EPA 600 353.2 (Total) EPA 600 365.2 (Total) EPA 600 365.2 (Total)		1/17/2006	1/18/2006
06010337-004G				Standard Methods 18th Ed. 5220 D (Total)		1/16/2006	
06010337-004H				EPA 600 365.2 (Dissolved) EPA 415.1, Organic Carbon		1/18/2006	1/19/2006

TEKLAB, INC

Date: 25-Jan-06

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT**TestCode: A_CHLORIDE_S_AT**

Sample ID: MB-R73807	SampType: MBLK	TestCode: A_CHLORIDE Units: mg/L			Prep Date:		RunNo: 73807				
Client ID: ZZZZZZ	Batch ID: R73807	TestNo: SW9251			Analysis Date: 1/16/2006		SeqNo: 1180511				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1	1									
Sample ID: LCS-R73807	SampType: LCS	TestCode: A_CHLORIDE Units: mg/L			Prep Date:		RunNo: 73807				
Client ID: ZZZZZZ	Batch ID: R73807	TestNo: SW9251			Analysis Date: 1/16/2006		SeqNo: 1180512				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	44	1	40.00	0	110	90	110				S
Sample ID: 06010337-004AMS	SampType: MS	TestCode: A_CHLORIDE Units: mg/L			Prep Date:		RunNo: 73807				
Client ID: DUP001/060113MS	Batch ID: R73807	TestNo: SW9251			Analysis Date: 1/16/2006		SeqNo: 1180533				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	80	1	60.00	29.00	85.0	85	115				
Sample ID: 06010337-004AMSD	SampType: MSD	TestCode: A_CHLORIDE Units: mg/L			Prep Date:		RunNo: 73807				
Client ID: DUP001/060113MSD	Batch ID: R73807	TestNo: SW9251			Analysis Date: 1/16/2006		SeqNo: 1180534				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	80	1	60.00	29.00	85.0	85	115	80.00	0	15	

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: A_NH3_E_AT

Sample ID: MB-R73823	SampType: MBLK	TestCode: A_NH3_E_AT Units: mg/L			Prep Date:			RunNo: 73823			
Client ID: ZZZZZZ	Batch ID: R73823	TestNo: E350.1			Analysis Date: 1/17/2006			SeqNo: 1180888			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (as N)	< 0.10	0.10									
Sample ID: LCS-R73823	SampType: LCS	TestCode: A_NH3_E_AT Units: mg/L			Prep Date:			RunNo: 73823			
Client ID: ZZZZZZ	Batch ID: R73823	TestNo: E350.1			Analysis Date: 1/17/2006			SeqNo: 1180889			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (as N)	2.29	0.10	2.500	0	91.6	90	110				
Sample ID: 06010337-004FMS	SampType: MS	TestCode: A_NH3_E_AT Units: mg/L			Prep Date:			RunNo: 73823			
Client ID: DUP001/060113MS	Batch ID: R73823	TestNo: E350.1			Analysis Date: 1/17/2006			SeqNo: 1180916			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (as N)	1.83	0.10	2.000	0.1200	85.5	85	115				
Sample ID: 06010337-004FMSD	SampType: MSD	TestCode: A_NH3_E_AT Units: mg/L			Prep Date:			RunNo: 73823			
Client ID: DUP001/060113MSD	Batch ID: R73823	TestNo: E350.1			Analysis Date: 1/17/2006			SeqNo: 1180917			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (as N)	1.84	0.10	2.000	0.1200	86.0	85	115	1.830	0.545	10	

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCN_S_AT

Sample ID: MB-R73902	SampType: MBLK	TestCode: A_TCN_S_AT Units: mg/L			Prep Date:			RunNo: 73902			
Client ID: ZZZZZZ	Batch ID: R73902	TestNo: SW9012A			Analysis Date: 1/17/2006			SeqNo: 1182299			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.007	0.007									
Sample ID: LCS-R73902	SampType: LCS	TestCode: A_TCN_S_AT Units: mg/L			Prep Date:			RunNo: 73902			
Client ID: ZZZZZZ	Batch ID: R73902	TestNo: SW9012A			Analysis Date: 1/17/2006			SeqNo: 1182301			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.103	0.007	0.1000	0	103	85	115				
Sample ID: 06010337-004DMS	SampType: MS	TestCode: A_TCN_S_AT Units: mg/L			Prep Date:			RunNo: 73902			
Client ID: DUP001/060113MS	Batch ID: R73902	TestNo: SW9012A			Analysis Date: 1/17/2006			SeqNo: 1182310			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.118	0.007	0.1000	0	118	75	125				
Sample ID: 06010337-004DMSD	SampType: MSD	TestCode: A_TCN_S_AT Units: mg/L			Prep Date:			RunNo: 73902			
Client ID: DUP001/060113MSD	Batch ID: R73902	TestNo: SW9012A			Analysis Date: 1/17/2006			SeqNo: 1182311			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.119	0.007	0.1000	0	119	75	125	0.1177	1.45	15	

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_ALK_M_AT

Sample ID: MB-R73906	SampType: MBLK	TestCode: I_ALK_M_AT	Units: mg/L	Prep Date:	RunNo: 73906						
Client ID: ZZZZZZ	Batch ID: R73906	TestNo: M2320 B (T)		Analysis Date: 1/19/2006	SeqNo: 1182410						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (as CaCO3)	< 0	0									
Sample ID: LCS-R73906	SampType: LCS	TestCode: I_ALK_M_AT	Units: mg/L	Prep Date:	RunNo: 73906						
Client ID: ZZZZZZ	Batch ID: R73906	TestNo: M2320 B (T)		Analysis Date: 1/19/2006	SeqNo: 1182411						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (as CaCO3)	239	0	240.0	0	99.6	90	110				
Sample ID: 06010337-003AMS	SampType: MS	TestCode: I_ALK_M_AT	Units: mg/L	Prep Date:	RunNo: 73906						
Client ID: HMW-29/060113MS	Batch ID: R73906	TestNo: M2320 B (T)		Analysis Date: 1/19/2006	SeqNo: 1182415						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (as CaCO3)	608	0	96.00	512.0	100	85	115				
Sample ID: 06010337-003AMSD	SampType: MSD	TestCode: I_ALK_M_AT	Units: mg/L	Prep Date:	RunNo: 73906						
Client ID: HMW-29/060113MS	Batch ID: R73906	TestNo: M2320 B (T)		Analysis Date: 1/19/2006	SeqNo: 1182416						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (as CaCO3)	612	0	96.00	512.0	104	85	115	608.0	0.656	10	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded			J	Analyte detected below quantitation limit		
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit			R	RPD outside accepted recovery limits		
	S	Spike Recovery outside accepted recovery limits								

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_HARD_M_AT

Sample ID: MB-R73950	SampType: MBLK	TestCode: I_HARD_M_A	Units: mg/L	Prep Date:	RunNo: 73950
Client ID: ZZZZZZ	Batch ID: R73950	TestNo: M2340C		Analysis Date: 1/20/2006	SeqNo: 1183089
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual
Hardness, as (CaCO ₃)	< 5	5			
Sample ID: LCS-R73950	SampType: LCS	TestCode: I_HARD_M_A	Units: mg/L	Prep Date:	RunNo: 73950
Client ID: ZZZZZZ	Batch ID: R73950	TestNo: M2340C		Analysis Date: 1/20/2006	SeqNo: 1183090
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual
Hardness, as (CaCO ₃)	980	5	1000	0	98.0 90 110

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
	M Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits
	S Spike Recovery outside accepted recovery limits		

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_P_E_AD

Sample ID: MBLK	SampType: MBLK	TestCode: I_P_E_AD	Units: mg/L	Prep Date:	RunNo: 73886						
Client ID: ZZZZZZ	Batch ID: R73886	TestNo: E365.2 (D)		Analysis Date: 1/18/2006	SeqNo: 1182021						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total Dissolved (as P)	< 0.020	0.020									
Sample ID: LCS	SampType: LCS	TestCode: I_P_E_AD	Units: mg/L	Prep Date:	RunNo: 73886						
Client ID: ZZZZZZ	Batch ID: R73886	TestNo: E365.2 (D)		Analysis Date: 1/18/2006	SeqNo: 1182022						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total Dissolved (as P)	0.324	0.020	0.3260	0	99.4	90	110				
Sample ID: 06010337-004GMS	SampType: MS	TestCode: I_P_E_AD	Units: mg/L	Prep Date:	RunNo: 73886						
Client ID: DUP001/060113MS	Batch ID: R73886	TestNo: E365.2 (D)		Analysis Date: 1/18/2006	SeqNo: 1182027						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total Dissolved (as P)	0.371	0.020	0.3000	0.07700	98.0	85	115				
Sample ID: 06010337-004GMSD	SampType: MSD	TestCode: I_P_E_AD	Units: mg/L	Prep Date:	RunNo: 73886						
Client ID: DUP001/060113MSD	Batch ID: R73886	TestNo: E365.2 (D)		Analysis Date: 1/18/2006	SeqNo: 1182028						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total Dissolved (as P)	0.345	0.020	0.3000	0.07700	89.3	85	115	0.3710	7.26	10	

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_P_E_AT

Sample ID: 06010337-004FMSD	SampType: MSD	TestCode: I_P_E_AT	Units: mg/L	Prep Date:	RunNo: 73951
Client ID: DUP001/060113MSD	Batch ID: R73951	TestNo: E365.2		Analysis Date: 1/19/2006	SeqNo: 1183078
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Phosphorus, Total (as P)	0.356	0.020	0.3000	0.09200	88.0
					85
					115
					0.3580
					0.560
					10
					Qual

Qualifiers:
E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation li
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_SUL_M_AT

Sample ID: 06010337-003EMS	SampType: MS	TestCode: I_SUL_M_AT	Units: mg/L	Prep Date:	RunNo: 73789
Client ID: HMW-29/060113MS	Batch ID: R73789	TestNo: M4500-S D		Analysis Date: 1/16/2006	SeqNo: 1180211
Analyte					
Sulfide, Total - Colorimetric	Result	PQL	SPK value	SPK Ref Val	%REC
	0.69	0.05	0.6700	0	103
Analyte					
Sample ID: 06010337-004EMS	SampType: MS	TestCode: I_SUL_M_AT	Units: mg/L	Prep Date:	RunNo: 73789
Client ID: DUP001/060113MS	Batch ID: R73789	TestNo: M4500-S D		Analysis Date: 1/16/2006	SeqNo: 1180213
Sulfide, Total - Colorimetric	Result	PQL	SPK value	SPK Ref Val	%REC
	0.69	0.05	0.6700	0	103
	80		120		

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation li
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: MB-R73721	SampType: MBLK	TestCode: I_TSS_M_AT	Units: mg/L	Prep Date:	RunNo: 73721						
Client ID: ZZZZZZ	Batch ID: R73721	TestNo: M2540 D		Analysis Date: 1/14/2006	SeqNo: 1178883						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	< 6	6									
Sample ID: LCS-R73721	SampType: LCS	TestCode: I_TSS_M_AT	Units: mg/L	Prep Date:	RunNo: 73721						
Client ID: ZZZZZZ	Batch ID: R73721	TestNo: M2540 D		Analysis Date: 1/14/2006	SeqNo: 1178884						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	87	6	100.0	0	87.0	85	115				
Sample ID: 06010337-003ADUP	SampType: DUP	TestCode: I_TSS_M_AT	Units: mg/L	Prep Date:	RunNo: 73721						
Client ID: HMW-29/060113DUP	Batch ID: R73721	TestNo: M2540 D		Analysis Date: 1/14/2006	SeqNo: 1178900						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	9	6							8.000	11.8	15

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
J Analyte detected below quantitation li
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_SD

Sample ID: 06010337-004C-MS SampType: MSD			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73763		
Client ID: DUP001/060113MSD	Batch ID: 29155		TestNo: SW7000 G SOP 3044			Analysis Date: 1/16/2006			SeqNo: 1179766		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	7740	0.0227	0.0060	0.03000	0	75.7	70	130	0.02224	2.07	15
Sample ID: MB-29155 SampType: MBLK			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73763		
Client ID: ZZZZZZ	Batch ID: 29155		TestNo: SW7000 G SOP 3044			Analysis Date: 1/16/2006			SeqNo: 1179785		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	7740	< 0.0060	0.0060	0.006000	0	0	-100	100			
Sample ID: MB-29155 SampType: MBLK			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73802		
Client ID: ZZZZZZ	Batch ID: 29155		TestNo: SW7000 G SOP 3044			Analysis Date: 1/17/2006			SeqNo: 1180727		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	< 0.0020	0.0020	0.002000	0	0	-100	100			
Sample ID: LCS-29155 SampType: LCS			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73802		
Client ID: ZZZZZZ	Batch ID: 29155		TestNo: SW7000 G SOP 3044			Analysis Date: 1/17/2006			SeqNo: 1180728		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.0158	0.0020	0.01500	0	106	85	115			
Sample ID: MB-29155 SampType: MBLK			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73876		
Client ID: ZZZZZZ	Batch ID: 29155		TestNo: SW7000 G SOP 3044			Analysis Date: 1/17/2006			SeqNo: 1181831		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	< 0.0030	0.0030	0.003000	0	0	-100	100			
Sample ID: 06010337-004C-MS SampType: MS			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73876		
Client ID: DUP001/060113MS	Batch ID: 29155		TestNo: SW7000 G SOP 3044			Analysis Date: 1/17/2006			SeqNo: 1181850		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded			J	Analyte detected below quantitation limit		
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit			R	RPD outside accepted recovery limits			
S	Spike Recovery outside accepted recovery limits									

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_SD

Sample ID: 06010337-004C-MS	SampType: MSD	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73937
Client ID: DUP001/060113MSD	Batch ID: 29155	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/19/2006	SeqNo: 1182901
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Lead	7421	0.0179	0.0020	0.01500	0
					119
					70
					130
					0.01758
					1.92
					15
					Qual

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation li
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: 06010337-001B-MS	SampType: MS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date:	1/16/2006	RunNo:	73859				
Client ID: HMW-25/060113MS	Batch ID: 29165	TestNo: SW7000 G	SOP 3044	Analysis Date:	1/18/2006	SeqNo:	1181792				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7041	0.0308	0.0050	0.03000	0	103	70	130			
Sample ID: 06010337-001B-MS	SampType: MSD	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date:	1/16/2006	RunNo:	73859				
Client ID: HMW-25/060113MS	Batch ID: 29165	TestNo: SW7000 G	SOP 3044	Analysis Date:	1/18/2006	SeqNo:	1181793				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7041	0.0317	0.0050	0.03000	0	106	70	130	0.03085	2.72	15
Sample ID: LCS-29144	SampType: LCS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date:	1/16/2006	RunNo:	73876				
Client ID: ZZZZZZ	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date:	1/17/2006	SeqNo:	1181866				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0.0148	0.0030	0.01500	0	99.0	85	115			
Sample ID: MB-29144	SampType: MBLK	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date:	1/16/2006	RunNo:	73876				
Client ID: ZZZZZZ	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date:	1/17/2006	SeqNo:	1181902				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	< 0.0030	0.0030	0.003000	0	0	-100	100			
Sample ID: MB-29144	SampType: MBLK	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date:	1/16/2006	RunNo:	73897				
Client ID: ZZZZZZ	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date:	1/18/2006	SeqNo:	1182199				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	7740	< 0.0060	0.0060	0.006000	0	0	-100	100			
Sample ID: MB-29165	SampType: MBLK	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date:	1/16/2006	RunNo:	73897				
Client ID: ZZZZZZ	Batch ID: 29165	TestNo: SW7000 G	SOP 3044	Analysis Date:	1/18/2006	SeqNo:	1182222				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded			J	Analyte detected below quantitation li		
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit			R	RPD outside accepted recovery limits		
	S	Spike Recovery outside accepted recovery limits								

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: 06010337-001BMSD SampType: MSD			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73956			
Client ID: HMW-25/060113MS	Batch ID: 29165		TestNo: SW7000 G SOP 3044			Analysis Date: 1/19/2006			SeqNo: 1183226			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0.0161	0.0030	0.01500	0	108	70	130	0.01714	6.03	15	
Sample ID: LCS-29165 SampType: LCS			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73956			
Client ID: ZZZZZZ	Batch ID: 29165		TestNo: SW7000 G SOP 3044			Analysis Date: 1/19/2006			SeqNo: 1183261			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7060A	0.0142	0.0030	0.01500	0	94.6	85	115				
Sample ID: 06010337-001B-MS SampType: MS			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73969			
Client ID: HMW-25/060113MS	Batch ID: 29165		TestNo: SW7000 G SOP 3044			Analysis Date: 1/20/2006			SeqNo: 1183686			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	7740	0.0279	0.0060	0.03000	0	93.1	70	130				
Sample ID: 06010337-001B-MS SampType: MSD			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73969			
Client ID: HMW-25/060113MS	Batch ID: 29165		TestNo: SW7000 G SOP 3044			Analysis Date: 1/20/2006			SeqNo: 1183687			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	7740	0.0265	0.0060	0.03000	0	88.3	70	130	0.02794	5.34	15	
Sample ID: MB-29244 SampType: MBLK			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/19/2006			RunNo: 73971			
Client ID: ZZZZZZ	Batch ID: 29244		TestNo: SW7000 G SOP 3044			Analysis Date: 1/20/2006			SeqNo: 1183722			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7421	0.117	0.0020	0.002000	0	5860	-100	100				S
Sample ID: LCS-29244 SampType: LCS			TestCode: M_AQ_GF_S Units: mg/L			Prep Date: 1/19/2006			RunNo: 73971			
Client ID: ZZZZZZ	Batch ID: 29244		TestNo: SW7000 G SOP 3044			Analysis Date: 1/20/2006			SeqNo: 1183723			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_SD

Sample ID: MB-29137	SampType: MBLK	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/13/2006			RunNo: 73725		
Client ID: ZZZZZZ	Batch ID: 29137	TestNo: SW6010B SOP 3034			Analysis Date: 1/16/2006			SeqNo: 1179242		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Iron	< 0.0200	0.0200	0.02000	0	0	-100	100			Qual
Sample ID: LCS-29137	SampType: LCS	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/13/2006			RunNo: 73725		
Client ID: ZZZZZZ	Batch ID: 29137	TestNo: SW6010B SOP 3034			Analysis Date: 1/16/2006			SeqNo: 1179243		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Iron	1.04	0.0200	1.000	0	104	85	115			Qual
Sample ID: MB-29158	SampType: MBLK	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73725		
Client ID: ZZZZZZ	Batch ID: 29158	TestNo: SW6010B SOP 3034			Analysis Date: 1/16/2006			SeqNo: 1179509		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Iron	< 0.0200	0.0200	0.02000	0	0	-100	100			Qual
Sample ID: LCS-29158	SampType: LCS	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73725		
Client ID: ZZZZZZ	Batch ID: 29158	TestNo: SW6010B SOP 3034			Analysis Date: 1/16/2006			SeqNo: 1179510		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Iron	1.06	0.0200	1.000	0	106	85	115			Qual
Sample ID: MB-29137	SampType: MBLK	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/13/2006			RunNo: 73920		
Client ID: ZZZZZZ	Batch ID: 29137	TestNo: SW6010B SOP 3034			Analysis Date: 1/19/2006			SeqNo: 1182594		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100			Qual
Beryllium	< 0.0010	0.0010	0.001000	0	0	-100	100			
Iron	< 0.0200	0.0200	0.02000	0	0	-100	100			
Vanadium	< 0.0100	0.0100	0.01000	0	0	-100	100			
Zinc	0.0025	0.0100	0.01000	0	25.0	-100	100			J

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	
S Spike Recovery outside accepted recovery limits			

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_SD

Sample ID: 06010337-004C-MS	SampType: MS	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73920			
Client ID: DUP001/060113MS	Batch ID: 29158	TestNo: SW6010B SOP 3034			Analysis Date: 1/19/2006			SeqNo: 1182616			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.0455	0.0010	0.05000	0	91.0	75	125				
Iron	9.62	0.0200	1.000	8.628	99.7	75	125				
Nickel	0.505	0.0100	0.5000	0	101	75	125				
Vanadium	0.526	0.0100	0.5000	0	105	75	125				
Zinc	0.503	0.0100	0.5000	0.003300	99.9	75	125				
Sample ID: 06010337-004C-MS	SampType: MSD	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73920			
Client ID: DUP001/060113MSD	Batch ID: 29158	TestNo: SW6010B SOP 3034			Analysis Date: 1/19/2006			SeqNo: 1182617			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.0458	0.0010	0.05000	0	91.6	75	125	0.04550	0.657	15	
Iron	9.60	0.0200	1.000	8.628	97.5	75	125	9.625	0.229	15	
Nickel	0.507	0.0100	0.5000	0	101	75	125	0.5054	0.217	15	
Vanadium	0.530	0.0100	0.5000	0	106	75	125	0.5257	0.871	15	
Zinc	0.502	0.0100	0.5000	0.003300	99.8	75	125	0.5030	0.159	15	
Sample ID: MB-29158	SampType: MBLK	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73919			
Client ID: ZZZZZZ	Batch ID: 29158	TestNo: SW6010B SOP 3034			Analysis Date: 1/20/2006			SeqNo: 1183564			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	< 0.0020	0.0020	0.002000	0	0	-100	100				
Chromium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Silver	< 0.0100	0.0100	0.01000	0	0	-100	100				
Sample ID: LCS-29158	SampType: LCS	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73919			
Client ID: ZZZZZZ	Batch ID: 29158	TestNo: SW6010B SOP 3034			Analysis Date: 1/20/2006			SeqNo: 1183565			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0520	0.0020	0.05000	0	104	85	115				
Chromium	0.207	0.0100	0.2000	0	103	85	115				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded			J	Analyte detected below quantitation limit		
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit			R	RPD outside accepted recovery limits		
	S	Spike Recovery outside accepted recovery limits								

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_SD

Sample ID: LCS-29158	SampType: LCS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73967
Client ID: ZZZZZZ	Batch ID: 29158	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183667
<hr/>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Cobalt	0.465	0.0100	0.5000	0	92.9 85 115
<hr/>					
Sample ID: 06010337-004C-MS	SampType: MS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73967
Client ID: DUP001/060113MS	Batch ID: 29158	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183751
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Barium	1.95	0.0050	2.000	0.1198	91.6 75 125
Cobalt	0.436	0.0100	0.5000	0	87.3 75 125
<hr/>					
Sample ID: 06010337-004C-MS	SampType: MSD	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73967
Client ID: DUP001/060113MSD	Batch ID: 29158	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183752
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Barium	1.98	0.0050	2.000	0.1198	93.0 75 125 1.951 1.42 15
Cobalt	0.439	0.0100	0.5000	0	87.8 75 125 0.4365 0.571 15

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	S	Spike Recovery outside accepted recovery limits				

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 06010337-001B-MS	SampType: MSD	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73870
Client ID: HMW-25/060113MS	Batch ID: 29145	TestNo: SW6010B	SOP 3034	Analysis Date: 1/19/2006	SeqNo: 1182458
Analyte					
Silver	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Silver	0.0505	0.0100	0.05000	0	101 75 125 0.05100 0.985 15
Sample ID: MB-29145					
Client ID: ZZZZZZ	SampType: MBLK	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73870
Client ID: ZZZZZZ	Batch ID: 29145	TestNo: SW6010B	SOP 3034	Analysis Date: 1/19/2006	SeqNo: 1182492
Analyte					
Chromium	< 0.0100	0.0100	0.01000	0	0 -100 100
Vanadium	0.0075	0.0100	0.01000	0	75.0 -100 100
Sample ID: LCS-29145					
Client ID: ZZZZZZ	SampType: LCS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73870
Client ID: ZZZZZZ	Batch ID: 29145	TestNo: SW6010B	SOP 3034	Analysis Date: 1/19/2006	SeqNo: 1182493
Analyte					
Chromium	0.198	0.0100	0.2000	0	99.0 85 115
Vanadium	0.503	0.0100	0.5000	0	101 85 115
Sample ID: 06010337-001B-MS					
Client ID: HMW-25/060113MS	SampType: MS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73870
Client ID: HMW-25/060113MS	Batch ID: 29145	TestNo: SW6010B	SOP 3034	Analysis Date: 1/19/2006	SeqNo: 1182495
Analyte					
Chromium	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chromium	0.178	0.0100	0.2000	0	89.1 75 125
Sample ID: 06010337-001B-MS					
Client ID: HMW-25/060113MS	SampType: MSD	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73870
Client ID: HMW-25/060113MS	Batch ID: 29145	TestNo: SW6010B	SOP 3034	Analysis Date: 1/19/2006	SeqNo: 1182496
Analyte					
Chromium	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chromium	0.178	0.0100	0.2000	0	89.2 75 125 0.1782 0.112 15

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	
S Spike Recovery outside accepted recovery limits			

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: MB-29145		SampType: MBLK	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73919			
Client ID: ZZZZZZ		Batch ID: 29145	TestNo: SW6010B SOP 3034			Analysis Date: 1/20/2006			SeqNo: 1183274			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium		< 0.0100	0.0100	0.01000	0	0	-100	100				
Silver		< 0.0100	0.0100	0.01000	0	0	-100	100				
Sample ID: LCS-29145		SampType: LCS	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73919			
Client ID: ZZZZZZ		Batch ID: 29145	TestNo: SW6010B SOP 3034			Analysis Date: 1/20/2006			SeqNo: 1183275			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium		0.196	0.0100	0.2000	0	97.9	85	115				
Silver		0.0481	0.0100	0.05000	0	96.2	85	115				
Sample ID: MB-29145		SampType: MBLK	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73967			
Client ID: ZZZZZZ		Batch ID: 29145	TestNo: SW6010B SOP 3034			Analysis Date: 1/20/2006			SeqNo: 1183766			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium		< 0.0050	0.0050	0.005000	0	0	-100	100				
Beryllium		< 0.0010	0.0010	0.001000	0	0	-100	100				
Cadmium		0.0009	0.0020	0.002000	0	45.0	-100	100			J	
Cobalt		< 0.0100	0.0100	0.01000	0	0	-100	100				
Iron		< 0.0200	0.0200	0.02000	0	0	-100	100				
Nickel		< 0.0100	0.0100	0.01000	0	0	-100	100				
Vanadium		< 0.0100	0.0100	0.01000	0	0	-100	100				
Zinc		0.0023	0.0100	0.01000	0	23.0	-100	100			J	
Sample ID: LCS-29145		SampType: LCS	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/16/2006			RunNo: 73967			
Client ID: ZZZZZZ		Batch ID: 29145	TestNo: SW6010B SOP 3034			Analysis Date: 1/20/2006			SeqNo: 1183767			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium		1.99	0.0050	2.000	0	99.3	85	115				
Beryllium		0.0467	0.0010	0.05000	0	93.4	85	115				
Cadmium		0.0503	0.0020	0.05000	0	101	85	115				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded			J	Analyte detected below quantitation limit		
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit			R	RPD outside accepted recovery limits			
S	Spike Recovery outside accepted recovery limits									

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_AQ_S

Sample ID: MB-29189	SampType: MBLK	TestCode: M_HG_AQ_S Units: mg/L			Prep Date: 1/17/2006			RunNo: 73849			
Client ID: ZZZZZZ	Batch ID: 29189	TestNo: SW7470 A SOP 3062			Analysis Date: 1/18/2006			SeqNo: 1181345			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
Sample ID: LCS-29189	SampType: LCS	TestCode: M_HG_AQ_S Units: mg/L			Prep Date: 1/17/2006			RunNo: 73849			
Client ID: ZZZZZZ	Batch ID: 29189	TestNo: SW7470 A SOP 3062			Analysis Date: 1/18/2006			SeqNo: 1181348			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00527	0.00020	0.005000	0	105	85	115				
Sample ID: MB-29190	SampType: MBLK	TestCode: M_HG_AQ_S Units: mg/L			Prep Date: 1/17/2006			RunNo: 73849			
Client ID: ZZZZZZ	Batch ID: 29190	TestNo: SW7470 A SOP 3062			Analysis Date: 1/18/2006			SeqNo: 1181385			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0	-100	100				
Sample ID: LCS-29190	SampType: LCS	TestCode: M_HG_AQ_S Units: mg/L			Prep Date: 1/17/2006			RunNo: 73849			
Client ID: ZZZZZZ	Batch ID: 29190	TestNo: SW7470 A SOP 3062			Analysis Date: 1/18/2006			SeqNo: 1181386			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00511	0.00020	0.005000	0	102	85	115				
Sample ID: 06010337-004B-MS	SampType: MS	TestCode: M_HG_AQ_S Units: mg/L			Prep Date: 1/17/2006			RunNo: 73849			
Client ID: DUP001/060113MS	Batch ID: 29190	TestNo: SW7470 A SOP 3062			Analysis Date: 1/18/2006			SeqNo: 1181430			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00567	0.00020	0.005000	0	113	75	125				
Sample ID: 06010337-004B-MS	SampType: MSD	TestCode: M_HG_AQ_S Units: mg/L			Prep Date: 1/17/2006			RunNo: 73849			
Client ID: DUP001/060113MSD	Batch ID: 29190	TestNo: SW7470 A SOP 3062			Analysis Date: 1/18/2006			SeqNo: 1181431			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_AQ_SD

Sample ID: 06010337-003C-MS	SampType: MS	TestCode: M_HG_AQ_S	Units: mg/L	Prep Date: 1/17/2006	RunNo: 73849
Client ID: HMW-29/060113MS	Batch ID: 29190	TestNo: SW7470 A	SOP 3062	Analysis Date: 1/18/2006	SeqNo: 1181425
Analyte					
Mercury	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.00550	0.00020	0.005000	0	110 75 125
Sample ID: 06010337-003C-MS	SampType: MSD	TestCode: M_HG_AQ_S	Units: mg/L	Prep Date: 1/17/2006	RunNo: 73849
Client ID: HMW-29/060113MS	Batch ID: 29190	TestNo: SW7470 A	SOP 3062	Analysis Date: 1/18/2006	SeqNo: 1181426
Analyte					
Mercury	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.00554	0.00020	0.005000	0	111 75 125 0.005500 0.725 15
Sample ID: MB-29189	SampType: MBLK	TestCode: M_HG_AQ_S	Units: mg/L	Prep Date: 1/17/2006	RunNo: 73849
Client ID: ZZZZZZ	Batch ID: 29189	TestNo: SW7470 A	SOP 3062	Analysis Date: 1/18/2006	SeqNo: 1181459
Analyte					
Mercury	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	< 0.00020	0.00020	0.01000	0	0 -100 100
Sample ID: LCS-29189	SampType: LCS	TestCode: M_HG_AQ_S	Units: mg/L	Prep Date: 1/17/2006	RunNo: 73849
Client ID: ZZZZZZ	Batch ID: 29189	TestNo: SW7470 A	SOP 3062	Analysis Date: 1/18/2006	SeqNo: 1181460
Analyte					
Mercury	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.00527	0.00020	0.005000	0	105 85 115
Sample ID: MB-29190	SampType: MBLK	TestCode: M_HG_AQ_S	Units: mg/L	Prep Date: 1/17/2006	RunNo: 73849
Client ID: ZZZZZZ	Batch ID: 29190	TestNo: SW7470 A	SOP 3062	Analysis Date: 1/18/2006	SeqNo: 1181461
Analyte					
Mercury	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	< 0.00020	0.00020	0.0002000	0	0 -100 100
Sample ID: LCS-29190	SampType: LCS	TestCode: M_HG_AQ_S	Units: mg/L	Prep Date: 1/17/2006	RunNo: 73849
Client ID: ZZZZZZ	Batch ID: 29190	TestNo: SW7470 A	SOP 3062	Analysis Date: 1/18/2006	SeqNo: 1181462
Analyte					
Mercury	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Qualifiers: E Value above quantitation range

H Holding times for preparation or analysis exceeded

J Analyte detected below quantitation li

M Manual Integration used to determine area response

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_MTBE_W

Sample ID: LCS-N060114-2	SampType: LCS1	TestCode: V_BTEX_MT	Units: µg/L	Prep Date: 1/14/2006	RunNo: 73720						
Client ID: ZZZZZZ	Batch ID: 29140	TestNo: SW8260B	SW5030	Analysis Date: 1/14/2006	SeqNo: 1178861						
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual											
Methyl tert-butyl ether	51.4	2.0	50.00	0	103	76.1	129				
Benzene	49.2	2.0	50.00	0	98.5	79.3	122				
Toluene	49.3	5.0	50.00	0	98.6	81.5	123				
Ethylbenzene	48.9	5.0	50.00	0	97.8	83	131				
Xylenes, Total	93.9	5.0	100.0	0	93.9	83.2	131				
Surr: 1,2-Dichloroethane-d4	51.4		50.00		103	73.9	129				
Surr: 4-Bromofluorobenzene	49.8		50.00		99.5	83	113				
Surr: Dibromofluoromethane	51.2		50.00		102	83.8	118				
Surr: Toluene-d8	49.2		50.00		98.5	85.5	115				
Sample ID: LCSD-N060114-2	SampType: LCS1D	TestCode: V_BTEX_MT	Units: µg/L	Prep Date: 1/14/2006	RunNo: 73720						
Client ID: ZZZZZZ	Batch ID: 29140	TestNo: SW8260B	SW5030	Analysis Date: 1/14/2006	SeqNo: 1178862						
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual											
Methyl tert-butyl ether	50.3	2.0	50.00	0	101	76.1	129	51.44	2.32	15	
Benzene	47.7	2.0	50.00	0	95.4	79.3	122	49.25	3.18	15	
Toluene	48.1	5.0	50.00	0	96.2	81.5	123	49.31	2.44	15	
Ethylbenzene	48.3	5.0	50.00	0	96.6	83	131	48.92	1.32	15	
Xylenes, Total	92.1	5.0	100.0	0	92.1	83.2	131	93.90	1.96	15	
Surr: 1,2-Dichloroethane-d4	50.6		50.00		101	73.9	129		0	15	
Surr: 4-Bromofluorobenzene	50.3		50.00		101	83	113		0	15	
Surr: Dibromofluoromethane	50.0		50.00		100	83.8	118		0	15	
Surr: Toluene-d8	49.2		50.00		98.4	85.5	115		0	15	
Sample ID: MBLK-N060114-2	SampType: MBLK	TestCode: V_BTEX_MT	Units: µg/L	Prep Date: 1/14/2006	RunNo: 73720						
Client ID: ZZZZZZ	Batch ID: 29140	TestNo: SW8260B	SW5030	Analysis Date: 1/14/2006	SeqNo: 1178863						
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual											
Methyl tert-butyl ether	ND	2.0									
Benzene	ND	2.0									
Toluene	ND	5.0									

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	S	Spike Recovery outside accepted recovery limits				

CLIENT: Clayton Group Services
Work Order: 06010337
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_MTBE_W

Sample ID: 06010337-004I-MSD	SampType: MSD	TestCode: V_BTEX_MT	Units: µg/L	Prep Date: 1/14/2006	RunNo: 73720						
Client ID: DUP001/060113MSD	Batch ID: 29140	TestNo: SW8260B	SW5030	Analysis Date: 1/15/2006	SeqNo: 1178882						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	131	5.0	130.0	0	101	73	127	132.6	1.16	15	
Surr: 1,2-Dichloroethane-d4	52.4		50.00		105	73.9	129		0	0	
Surr: 4-Bromofluorobenzene	53.0		50.00		106	83	113		0	0	
Surr: Dibromofluoromethane	49.8		50.00		99.5	83.8	118		0	0	
Surr: Toluene-d8	48.6		50.00		97.3	85.5	115		0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M	Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits		

CHAIN OF CUSTODY

pg. 2 of 2 Work Order #06010331

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: Clayton Group Services
Address: 3140 Finley Road
City / State / Zip: Downers Grove, IL 60515
Contact: Ken Comire Phone: 630-795-3200
E-Mail: Ken.Comire@us.bureauveritas.com Fax: 630-795-1130

Are the samples chilled?	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES (Ice or Blue Ice)
Cooler Temperature:	2.8 °C	
Preserved in:	<input type="checkbox"/> Lab	<input type="checkbox"/> Field
Comments:	Bill to Clayton See attached Table 4-3	

Relinquished By	Date / Time	Received By	Date / Time
TJGJL	1-13-06 1400 (pm) 1530	O'Connor	1/13/06 1530

TEKLAB, INC.

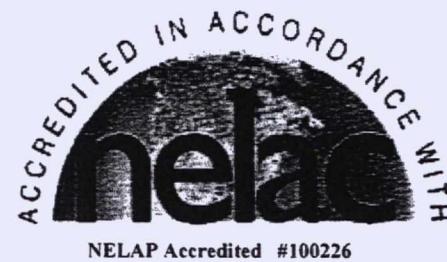
5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

January 25, 2006

Ken Comire
Clayton Group Services
3140 Finley Road
Downers Grove, IL 60515
TEL: (630) 795-3203
FAX: (630) 795-1130



RE: Hartford Working Group

OrderNo. 06010314

Dear Ken Comire:

TEKLAB, INC received 3 samples on 1/13/2006 10:50:00 AM for the analysis presented in the following report. A list of report contents can be found on the following page.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest that have been tested. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted in the Case Narrative. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Kelly A. Klostermann".

Kelly A. Klostermann
Project Manager

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Clayton Group Services
Project: Hartford Working Group
LabOrder: 06010314
Report Date: January 25, 2006

CASE NARRATIVE

Cooler Receipt Temp 1.6 °C

MS/MSD for I_COD_M_AT analyzed on workorder 06010313.

MS/MSD for A_TOC_E_AT and A_N3N2_E_AT analyzed on workorder 06010338.

Qualifiers		
DF - Dilution Factor	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
RL - Reporting Limit	J - Analyte detected below reporting limits	H - Holding time exceeded
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	D - Diluted out of sample
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	MI - Matrix interference
TNTC - Too numerous to count	* - Value exceeds Maximum Contaminant Level	DNI Did Not Ignite
IDPH - Illinois Department of Public Health	NELAP - IL ELAP and NELAP Accredited Field of Testing	

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010314
Lab ID: 06010314-001
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: HMW-26/060112
Collection Date: 1/12/2006 3:00:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)</u>								
Zinc	NELAP	0.0100	J	0.0039	mg/L	1	1/19/2006 6:04:34 PM	JMW
<u>SW-846 3005A, 6010B, METALS BY ICP (TOTAL)</u>								
Barium	NELAP	0.0050		0.197	mg/L	1	1/19/2006 4:35:44 PM	JMW
Beryllium	NELAP	0.0010		< 0.0010	mg/L	1	1/19/2006 4:35:44 PM	JMW
Cadmium	NELAP	0.0020	J	0.0010	mg/L	1	1/20/2006 10:26:27 AM	CRK
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	1/18/2006 2:12:13 PM	CRK
Cobalt	NELAP	0.0100		< 0.0100	mg/L	1	1/18/2006 2:12:13 PM	CRK
Iron	NELAP	0.0200		26.2	mg/L	1	1/19/2006 4:35:44 PM	JMW
Nickel	NELAP	0.0100		< 0.0100	mg/L	1	1/18/2006 2:12:13 PM	CRK
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/18/2006 2:12:13 PM	CRK
Vanadium	NELAP	0.0100	J	0.0050	mg/L	1	1/18/2006 2:12:13 PM	CRK
Zinc	NELAP	0.0100		0.129	mg/L	1	1/19/2006 4:35:44 PM	JMW
<u>SW-846 3005A, METALS BY GFAA (DISSOLVED)</u>								
Antimony	7041	NELAP	0.0050	< 0.0050	mg/L	1	1/16/2006	SRH
Arsenic	7060A	NELAP	0.0030	0.0059	mg/L	1	1/17/2006	JMF
Lead	7421	NELAP	0.0020	< 0.0020	mg/L	1	1/17/2006	SRH
Selenium	7740	NELAP	0.0060	< 0.0060	mg/L	1	1/16/2006	JMF
<u>SW-846 3020A, METALS BY GFAA (TOTAL)</u>								
Antimony	7041	NELAP	0.0050	< 0.0050	mg/L	1	1/18/2006	SRH
Arsenic	7060A	NELAP	0.0030	0.0069	mg/L	1	1/17/2006	JMF
Lead	7421	NELAP	0.0020	0.0030	mg/L	1	1/17/2006	SRH
Selenium	7740	NELAP	0.0060	< 0.0060	mg/L	1	1/18/2006	JMF
<u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	2.0		ND	µg/L	1	1/15/2006 3:08:00 AM	TAL
Ethylbenzene	NELAP	5.0		ND	µg/L	1	1/15/2006 3:08:00 AM	TAL
Methyl tert-butyl ether	NELAP	2.0	J	0.6	µg/L	1	1/15/2006 3:08:00 AM	TAL
Toluene	NELAP	5.0		ND	µg/L	1	1/15/2006 3:08:00 AM	TAL
Xylenes, Total	NELAP	5.0		ND	µg/L	1	1/15/2006 3:08:00 AM	TAL
Surr: 1,2-Dichloroethane-d4		73.9-129		104	%REC	1	1/15/2006 3:08:00 AM	TAL
Surr: 4-Bromofluorobenzene		83-113		104	%REC	1	1/15/2006 3:08:00 AM	TAL
Surr: Dibromofluoromethane		83.8-118		101	%REC	1	1/15/2006 3:08:00 AM	TAL
Surr: Toluene-d8		85.5-115		98.7	%REC	1	1/15/2006 3:08:00 AM	TAL
<u>SW-846 7470A (DISSOLVED)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	1/18/2006	CRK
<u>SW-846 7470A (TOTAL)</u>								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	1/18/2006	CRK

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010314
Lab ID: 06010314-002
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: HMW-27/060112
Collection Date: 1/12/2006 4:25:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
EPA 415.1, ORGANIC CARBON								
Total Organic Carbon (TOC)	NELAP	1.0		4.4	mg/L	1	1/19/2006	SMR
EPA 600 350.1 (TOTAL)								
Nitrogen, Ammonia (as N)	NELAP	0.10	J	0.04	mg/L	1	1/17/2006	NNH
EPA 600 353.2 (TOTAL)								
Nitrogen, Nitrate (as N)	NELAP	0.010		0.011	mg/L	1	1/18/2006	SMR
Nitrogen, Nitrate-Nitrite (as N)	NELAP	0.010		0.011	mg/L	1	1/18/2006	SMR
EPA 600 353.3 (TOTAL)								
Nitrogen, Nitrite (as N)	NELAP	0.010		< 0.010	mg/L	1	1/13/2006 12:00:00 PM	SMK
EPA 600 365.2 (DISSOLVED)								
Phosphorus, Total Dissolved (as P)	NELAP	0.020	J	0.016	mg/L	1	1/19/2006	NLF
EPA 600 365.2 (TOTAL)								
Phosphorus, Total (as P)	NELAP	0.020	J	0.018	mg/L	1	1/17/2006	NLF
STANDARD METHODS 18TH ED. 2320 B								
Alkalinity, Total (as CaCO ₃)	NELAP	0		642	mg/L	1	1/16/2006	KLE
STANDARD METHODS 18TH ED. 2340 C								
Hardness, as (CaCO ₃)	NELAP	5		870	mg/L	1	1/20/2006	MLD
STANDARD METHODS 18TH ED. 2540 C (TOTAL)								
Total Dissolved Solids	NELAP	20		1020	mg/L	1	1/14/2006	KLE
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		< 6	mg/L	1	1/13/2006	SMK
STANDARD METHODS 18TH ED. 4500-S D (TOTAL)								
Sulfide, Total - Colorimetric	NELAP	0.05		< 0.05	mg/L	1	1/16/2006 11:30:00 AM	NNH
STANDARD METHODS 18TH ED. 5220 D (TOTAL)								
Chemical Oxygen Demand	NELAP	20	J	14	mg/L	1	1/13/2006	KM
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.007	J	0.006	mg/L	1	1/13/2006	SMR
SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)								
Barium	NELAP	0.0050		0.0993	mg/L	1	1/20/2006 2:03:35 PM	JMW
Beryllium	NELAP	0.0010		< 0.0010	mg/L	1	1/19/2006 6:19:35 PM	JMW
Cadmium	NELAP	0.0020	J	0.0005	mg/L	1	1/20/2006 2:03:35 PM	JMW
Chromium	NELAP	0.0100		< 0.0100	mg/L	1	1/18/2006 3:37:06 PM	CRK
Cobalt	NELAP	0.0100	J	0.0057	mg/L	1	1/18/2006 3:37:06 PM	CRK
Iron	NELAP	0.0200		0.151	mg/L	1	1/19/2006 6:19:35 PM	JMW
Nickel	NELAP	0.0100		0.0118	mg/L	1	1/18/2006 3:37:06 PM	CRK
Silver	NELAP	0.0100		< 0.0100	mg/L	1	1/18/2006 3:37:06 PM	CRK
Vanadium	NELAP	0.0100	J	0.0055	mg/L	1	1/19/2006 6:19:35 PM	JMW

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Laboratory Results

CLIENT: Clayton Group Services
WorkOrder: 06010314
Lab ID: 06010314-002
Report Date: 25-Jan-06

Client Project: Hartford Working Group
Client Sample ID: HMW-27/060112
Collection Date: 1/12/2006 4:25:00 PM
Matrix: GROUNDWATER

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>SW-846 9036 (TOTAL)</u>								
Sulfate	NELAP	40		199	mg/L	1	1/16/2006	NNH
<u>SW-846 9251 (TOTAL)</u>								
Chloride	NELAP	5		40	mg/L	5	1/16/2006	NNH

Sample Narrative

SW-846 9036 (Total)

MS/MSD - Result is slightly above upper calibration range.

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: Clayton Group Services

WORK ORDER SAMPLE SUMMARY

Project: Hartford Working Group

Lab Order: 06010314

Date: 24-Jan-06

Date Received: 1/13/2006

Lab Sample ID	Client Sample ID	Tag Number	Collection Date
06010314-001A	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-001B	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-001C	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-001D	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-001E	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-001F	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-001G	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-001H	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-001I	HMW-26/060112		1/12/2006 3:00:00 PM
06010314-002A	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-002B	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-002C	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-002D	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-002E	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-002F	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-002G	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-002H	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-002I	HMW-27/060112		1/12/2006 4:25:00 PM
06010314-003A	TB-002/060112		1/12/2006 8:30:00 AM

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005

Client: Clayton Group Services
Project: Hartford Working Group
Lab Order: 06010314
Date Received: 1/13/2006 10:50:00 AM

DATES REPORT

Date: 24-Jan-06

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
06010314-001C	HMW-26/060112	1/12/2006	Groundwater	SW-846 7470A (Dissolved)	1/17/2006		1/18/2006
06010314-001D				SW-846 9012A (Total)			1/17/2006
06010314-001E				Standard Methods 18th Ed. 4500-S D (Total)			1/16/2006
06010314-001F				EPA 600 350.1 (Total)			1/17/2006
				EPA 600 353.2 (Total)			1/18/2006
				EPA 600 365.2 (Total)			1/17/2006
				Standard Methods 18th Ed. 5220 D (Total)			1/13/2006
06010314-001G				EPA 600 365.2 (Dissolved)			1/17/2006
06010314-001H				EPA 415.1, Organic Carbon			1/19/2006
06010314-001I				SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS	1/14/2006		1/15/2006
06010314-002A	HMW-27/060112			EPA 600 353.3 (Total)			1/13/2006
				Standard Methods 18th Ed. 2320 B			1/16/2006
				Standard Methods 18th Ed. 2340 C			1/20/2006
				Standard Methods 18th Ed. 2540 C (Total)			1/14/2006
				Standard Methods 18th Ed. 2540 D			1/13/2006
				SW-846 9036 (Total)			1/16/2006
				SW-846 9251 (Total)			1/16/2006
06010314-002B				SW-846 3005A, 6010B, Metals by ICP (Total)	1/13/2006		1/20/2006
				SW-846 3005A, 6010B, Metals by ICP (Total)	1/13/2006		1/19/2006
				SW-846 3005A, 6010B, Metals by ICP (Total)	1/13/2006		1/18/2006
				SW-846 3020A, Metals by GFAA (Total)	1/16/2006		1/19/2006
				SW-846 3020A, Metals by GFAA (Total)	1/16/2006		1/18/2006

TEKLAB, INC

Date: 25-Jan-06

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT**TestCode: A_CHLORIDE_S_AT**

Sample ID: MB-R73807	SampType: MBLK	TestCode: A_CHLORIDE	Units: mg/L	Prep Date:	RunNo: 73807
Client ID: ZZZZZZ	Batch ID: R73807	TestNo: SW9251		Analysis Date: 1/16/2006	SeqNo: 1180511
Analyte					
Chloride	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
< 1	1				
Sample ID: LCS-R73807	SampType: LCS	TestCode: A_CHLORIDE	Units: mg/L	Prep Date:	RunNo: 73807
Client ID: ZZZZZZ	Batch ID: R73807	TestNo: SW9251		Analysis Date: 1/16/2006	SeqNo: 1180512
Analyte					
Chloride	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
44	1	40.00	0	110 90 110	S
Sample ID: 06010314-002AMS	SampType: MS	TestCode: A_CHLORIDE	Units: mg/L	Prep Date:	RunNo: 73807
Client ID: HMW-27/060112MS	Batch ID: R73807	TestNo: SW9251		Analysis Date: 1/16/2006	SeqNo: 1180553
Analyte					
Chloride	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
328	5	300.0	39.99	96.0 85 115	
Sample ID: 06010314-002AMSD	SampType: MSD	TestCode: A_CHLORIDE	Units: mg/L	Prep Date:	RunNo: 73807
Client ID: HMW-27/060112MS	Batch ID: R73807	TestNo: SW9251		Analysis Date: 1/16/2006	SeqNo: 1180554
Analyte					
Chloride	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
326	5	300.0	39.99	95.2 85 115 328.0 0.747 15	
Sample ID: MB-R73943	SampType: MBLK	TestCode: A_CHLORIDE	Units: mg/L	Prep Date:	RunNo: 73943
Client ID: ZZZZZZ	Batch ID: R73943	TestNo: SW9251		Analysis Date: 1/19/2006	SeqNo: 1182965
Analyte					
Chloride	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
< 1	1				

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	S	Spike Recovery outside accepted recovery limits				

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: A_N3N2_E_AT_Preserve

Sample ID: MB-R73955	SampType: MBLK	TestCode: A_N3N2_E_A Units: mg/L			Prep Date:			RunNo: 73955			
Client ID: ZZZZZZ	Batch ID: R73955	TestNo: E353.2			Analysis Date: 1/18/2006			SeqNo: 1183186			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (as N)	< 0.010	0.010									
Nitrogen, Nitrate-Nitrite (as N)	< 0.010	0.010									

Sample ID: LCS-R73955	SampType: LCS	TestCode: A_N3N2_E_A Units: mg/L			Prep Date:			RunNo: 73955			
Client ID: ZZZZZZ	Batch ID: R73955	TestNo: E353.2			Analysis Date: 1/18/2006			SeqNo: 1183188			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Nitrate (as N)	24.4	0.010	24.50	0	99.7	86.5	113.5				
Nitrogen, Nitrate-Nitrite (as N)	24.4	0.010	24.50	0	99.7	86.5	113.5				

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M	Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits		

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: A_SO4_S_AT

Sample ID: MB-R73810	SampType: MBLK	TestCode: A_SO4_S_AT Units: mg/L			Prep Date:			RunNo: 73810			
Client ID: ZZZZZZ	Batch ID: R73810	TestNo: SW9036			Analysis Date: 1/16/2006			SeqNo: 1180581			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	< 40	40									
Sample ID: LCS-R73810	SampType: LCS	TestCode: A_SO4_S_AT Units: mg/L			Prep Date:			RunNo: 73810			
Client ID: ZZZZZZ	Batch ID: R73810	TestNo: SW9036			Analysis Date: 1/16/2006			SeqNo: 1180582			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	294	40	300.0	0	98.0	90	110				
Sample ID: 06010314-002AMS	SampType: MS	TestCode: A_SO4_S_AT Units: mg/L			Prep Date:			RunNo: 73810			
Client ID: HMW-27/060112MS	Batch ID: R73810	TestNo: SW9036			Analysis Date: 1/16/2006			SeqNo: 1180591			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	456	40	300.0	199.0	85.7	85	115				E
Sample ID: 06010314-002AMSD	SampType: MSD	TestCode: A_SO4_S_AT Units: mg/L			Prep Date:			RunNo: 73810			
Client ID: HMW-27/060112MS	Batch ID: R73810	TestNo: SW9036			Analysis Date: 1/16/2006			SeqNo: 1180592			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	460	40	300.0	199.0	87.0	85	115	456.0	0.873	10	E

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: A_TCN_S_AT

Sample ID: LCS-R73902	SampType: LCS	TestCode: A_TCN_S_AT Units: mg/L			Prep Date:			RunNo: 73902			
Client ID: ZZZZZZ	Batch ID: R73902	TestNo: SW9012A			Analysis Date: 1/17/2006			SeqNo: 1182301			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.103	0.007	0.1000	0	103	85	115				
Sample ID: 06010314-001DMS	SampType: MS	TestCode: A_TCN_S_AT Units: mg/L			Prep Date:			RunNo: 73902			
Client ID: HMW-26/060112MS	Batch ID: R73902	TestNo: SW9012A			Analysis Date: 1/17/2006			SeqNo: 1182304			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.112	0.007	0.1000	0	112	75	125				
Sample ID: 06010314-001DMSD	SampType: MSD	TestCode: A_TCN_S_AT Units: mg/L			Prep Date:			RunNo: 73902			
Client ID: HMW-26/060112MS	Batch ID: R73902	TestNo: SW9012A			Analysis Date: 1/17/2006			SeqNo: 1182305			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.115	0.007	0.1000	0	115	75	125	0.1116	2.78	15	

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_ALK_M_AT

Sample ID: MB-R73768	SampType: MBLK	TestCode: I_ALK_M_AT	Units: mg/L	Prep Date:	RunNo: 73768						
Client ID: ZZZZZZ	Batch ID: R73768	TestNo: M2320 B (T)		Analysis Date: 1/16/2006	SeqNo: 1179833						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (as CaCO3)	< 0	0									
Sample ID: LCS-R73768	SampType: LCS	TestCode: I_ALK_M_AT	Units: mg/L	Prep Date:	RunNo: 73768						
Client ID: ZZZZZZ	Batch ID: R73768	TestNo: M2320 B (T)		Analysis Date: 1/16/2006	SeqNo: 1179834						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (as CaCO3)	238	0	240.0	0	99.2	90	110				
Sample ID: 06010314-002AMS	SampType: MS	TestCode: I_ALK_M_AT	Units: mg/L	Prep Date:	RunNo: 73768						
Client ID: HMW-27/060112MS	Batch ID: R73768	TestNo: M2320 B (T)		Analysis Date: 1/16/2006	SeqNo: 1179863						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (as CaCO3)	746	0	96.00	642.0	108	85	115				
Sample ID: 06010314-002AMSD	SampType: MSD	TestCode: I_ALK_M_AT	Units: mg/L	Prep Date:	RunNo: 73768						
Client ID: HMW-27/060112MS	Batch ID: R73768	TestNo: M2320 B (T)		Analysis Date: 1/16/2006	SeqNo: 1179864						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (as CaCO3)	750	0	96.00	642.0	112	85	115	746.0	0.535	10	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded			J	Analyte detected below quantitation limit		
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit			R	RPD outside accepted recovery limits		
	S	Spike Recovery outside accepted recovery limits								

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_HARD_M_AT

Sample ID: MB-R73950	SampType: MBLK	TestCode: I_HARD_M_A Units: mg/L				Prep Date:			RunNo: 73950		
Client ID: ZZZZZZ	Batch ID: R73950	TestNo: M2340C				Analysis Date: 1/20/2006			SeqNo: 1183089		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness, as (CaCO3)	< 5	5									
Sample ID: LCS-R73950	SampType: LCS	TestCode: I_HARD_M_A Units: mg/L				Prep Date:			RunNo: 73950		
Client ID: ZZZZZZ	Batch ID: R73950	TestNo: M2340C				Analysis Date: 1/20/2006			SeqNo: 1183090		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness, as (CaCO3)	980	5	1000	0	98.0	90	110				
Sample ID: 06010314-002AMS	SampType: MS	TestCode: I_HARD_M_A Units: mg/L				Prep Date:			RunNo: 73950		
Client ID: HMW-27/060112MS	Batch ID: R73950	TestNo: M2340C				Analysis Date: 1/20/2006			SeqNo: 1183097		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness, as (CaCO3)	1090	5	200.0	870.0	110	85	115				
Sample ID: 06010314-002AMSD	SampType: MSD	TestCode: I_HARD_M_A Units: mg/L				Prep Date:			RunNo: 73950		
Client ID: HMW-27/060112MS	Batch ID: R73950	TestNo: M2340C				Analysis Date: 1/20/2006			SeqNo: 1183098		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness, as (CaCO3)	1060	5	200.0	870.0	95.0	85	115	1090	2.79	10	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	
S Spike Recovery outside accepted recovery limits			

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_P_E_AD

Sample ID: MB-R73827	SampType: MBLK	TestCode: I_P_E_AD	Units: mg/L	Prep Date:	RunNo: 73827						
Client ID: ZZZZZZ	Batch ID: R73827	TestNo: E365.2 (D)		Analysis Date: 1/17/2006	SeqNo: 1180969						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total Dissolved (as P)	< 0.020	0.020									
Sample ID: LCS-R73827	SampType: LCS	TestCode: I_P_E_AD	Units: mg/L	Prep Date:	RunNo: 73827						
Client ID: ZZZZZZ	Batch ID: R73827	TestNo: E365.2 (D)		Analysis Date: 1/17/2006	SeqNo: 1180970						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total Dissolved (as P)	0.335	0.020	0.3260	0	103	90	110				
Sample ID: MB-R73947	SampType: MBLK	TestCode: I_P_E_AD	Units: mg/L	Prep Date:	RunNo: 73947						
Client ID: ZZZZZZ	Batch ID: R73947	TestNo: E365.2 (D)		Analysis Date: 1/19/2006	SeqNo: 1183062						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total Dissolved (as P)	< 0.020	0.020									
Sample ID: LCS-R73947	SampType: LCS	TestCode: I_P_E_AD	Units: mg/L	Prep Date:	RunNo: 73947						
Client ID: ZZZZZZ	Batch ID: R73947	TestNo: E365.2 (D)		Analysis Date: 1/19/2006	SeqNo: 1183063						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total Dissolved (as P)	0.328	0.020	0.3260	0	101	90	110				

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M	Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits		

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_SUL_M_AT

Sample ID:	MB-R73789	SampType:	MLBK	TestCode:	I_SUL_M_AT	Units:	mg/L	Prep Date:		RunNo:	73789	
Client ID:	ZZZZZZ	Batch ID:	R73789	TestNo:	M4500-S D				Analysis Date:	1/16/2006	SeqNo:	1180180
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Total - Colorimetric		< 0.05		0.05								
Sample ID:	LCS-R73789	SampType:	LCS	TestCode:	I_SUL_M_AT	Units:	mg/L	Prep Date:		RunNo:	73789	
Client ID:	ZZZZZZ	Batch ID:	R73789	TestNo:	M4500-S D				Analysis Date:	1/16/2006	SeqNo:	1180181
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Total - Colorimetric		0.66	0.05	0.6700	0	98.5	85	115				
Sample ID:	06010314-001EMS	SampType:	MS	TestCode:	I_SUL_M_AT	Units:	mg/L	Prep Date:		RunNo:	73789	
Client ID:	HMW-26/060112MS	Batch ID:	R73789	TestNo:	M4500-S D <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>1/16/2006</td> <th>SeqNo:</th> <td>1180192</td>				Analysis Date:	1/16/2006	SeqNo:	1180192
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Total - Colorimetric		0.70	0.05	0.6700	0	104	80	120				
Sample ID:	06010314-002EMS	SampType:	MS	TestCode:	I_SUL_M_AT	Units:	mg/L	Prep Date:		RunNo:	73789	
Client ID:	HMW-27/060112MS	Batch ID:	R73789	TestNo:	M4500-S D <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>1/16/2006</td> <th>SeqNo:</th> <td>1180194</td>				Analysis Date:	1/16/2006	SeqNo:	1180194
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Total - Colorimetric		0.68	0.05	0.6700	0	101	80	120				
Sample ID:	06010314-002EMSD	SampType:	MSD	TestCode:	I_SUL_M_AT	Units:	mg/L	Prep Date:		RunNo:	73789	
Client ID:	HMW-27/060112MS	Batch ID:	R73789	TestNo:	M4500-S D <th data-cs="3" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th>Analysis Date:</th> <td>1/16/2006</td> <th>SeqNo:</th> <td>1180195</td>				Analysis Date:	1/16/2006	SeqNo:	1180195
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Total - Colorimetric		0.69	0.05	0.6700	0	103	80	120	0.6800	1.46	15	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded				J	Analyte detected below quantitation li			
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit				R	RPD outside accepted recovery limits			
	S	Spike Recovery outside accepted recovery limits										

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: I_TSS_M_AT

Sample ID: 06010314-001ADUP	SampType: DUP	TestCode: I_TSS_M_AT	Units: mg/L	Prep Date:	RunNo: 73707
Client ID: HMW-26/060112DUP	Batch ID: R73707	TestNo: M2540 D		Analysis Date: 1/13/2006	SeqNo: 1178733
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Suspended Solids	21	6			21.00 0 15
Sample ID: MB-R73707	SampType: MBLK	TestCode: I_TSS_M_AT	Units: mg/L	Prep Date:	RunNo: 73707
Client ID: ZZZZZZ	Batch ID: R73707	TestNo: M2540 D		Analysis Date: 1/13/2006	SeqNo: 1186063
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Suspended Solids	< 6	6			
Sample ID: LCS-R73707	SampType: LCS	TestCode: I_TSS_M_AT	Units: mg/L	Prep Date:	RunNo: 73707
Client ID: ZZZZZZ	Batch ID: R73707	TestNo: M2540 D		Analysis Date: 1/13/2006	SeqNo: 1186064
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Suspended Solids	89	6	100.0	0	89.0 85 115

Qualifiers:
E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_SD

Sample ID: 06010314-002C-MS	SampType: MS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73763
Client ID: HMW-27/060112MS	Batch ID: 29155	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/16/2006	SeqNo: 1179790
Analyte					
Selenium	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Selenium	7740	0.0237	0.0120	0.03000	0 79.0 70 130
Sample ID: 06010314-002C-MS	SampType: MSD	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73763
Client ID: HMW-27/060112MS	Batch ID: 29155	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/16/2006	SeqNo: 1179793
Analyte					
Selenium	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Selenium	7740	0.0241	0.0120	0.03000	0 80.3 70 130 0.02371 1.60 15
Sample ID: MB-29155	SampType: MBLK	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73802
Client ID: ZZZZZZ	Batch ID: 29155	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/17/2006	SeqNo: 1180727
Analyte					
Lead	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	7421	< 0.0020	0.0020	0.002000	0 0 -100 100
Sample ID: LCS-29155	SampType: LCS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73802
Client ID: ZZZZZZ	Batch ID: 29155	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/17/2006	SeqNo: 1180728
Analyte					
Lead	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	7421	0.0158	0.0020	0.01500	0 106 85 115
Sample ID: 06010314-002C-MS	SampType: MS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73802
Client ID: HMW-27/060112MS	Batch ID: 29155	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/17/2006	SeqNo: 1180744
Analyte					
Lead	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	7421	0.0182	0.0020	0.01500	0 122 70 130
Sample ID: 06010314-002C-MS	SampType: MSD	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73802
Client ID: HMW-27/060112MS	Batch ID: 29155	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/17/2006	SeqNo: 1180747
Analyte					
Lead	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limit
M Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	
S Spike Recovery outside accepted recovery limits			

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_SD

Sample ID: LCS-29155	SampType: LCS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73897							
Client ID: ZZZZZZ	Batch ID: 29155	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/18/2006	SeqNo: 1182195							
Analyte												
Selenium	7740	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: LCS-29144	SampType: LCS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73876
Client ID: ZZZZZZ	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/17/2006	SeqNo: 1181866
Analyte					
Arsenic	7060A	Result	PQL	SPK value	SPK Ref Val
			%REC	LowLimit	HighLimit
			0	99.0	85 115
Sample ID: 06010314-002B-MS					
Client ID: HMW-27/060112MS	SampType: MS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73876
	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/17/2006	SeqNo: 1181885
Analyte					
Arsenic	7060A	Result	PQL	SPK value	SPK Ref Val
			%REC	LowLimit	HighLimit
			0	90.0	70 130
Sample ID: 06010314-002B-MS					
Client ID: HMW-27/060112MS	SampType: MSD	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73876
	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/17/2006	SeqNo: 1181886
Analyte					
Arsenic	7060A	Result	PQL	SPK value	SPK Ref Val
			%REC	LowLimit	HighLimit
			0	86.4	70 130
			0.01350	0.01350	4.12 15
Sample ID: MB-29144					
Client ID: ZZZZZZ	SampType: MBLK	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73876
	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/17/2006	SeqNo: 1181902
Analyte					
Arsenic	7060A	Result	PQL	SPK value	SPK Ref Val
			%REC	LowLimit	HighLimit
			0	0	-100 100
Sample ID: MB-29144					
Client ID: ZZZZZZ	SampType: MBLK	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73897
	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/18/2006	SeqNo: 1182199
Analyte					
Selenium	7740	Result	PQL	SPK value	SPK Ref Val
			%REC	LowLimit	HighLimit
			0	0	-100 100
Sample ID: LCS-29144					
Client ID: ZZZZZZ	SampType: LCS	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73897
	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/18/2006	SeqNo: 1182231
Analyte					
			PQL	SPK value	SPK Ref Val
			%REC	LowLimit	HighLimit
			0	0	-100 100

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	
S Spike Recovery outside accepted recovery limits			

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_GF_ST

Sample ID: 06010314-002B-MS	SampType: MSD	TestCode: M_AQ_GF_S	Units: mg/L	Prep Date: 1/16/2006	RunNo: 73969
Client ID: HMW-27/060112MS	Batch ID: 29144	TestNo: SW7000 G	SOP 3044	Analysis Date: 1/20/2006	SeqNo: 1183675
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Selenium	7740	0.0303	0.0120	0.03000	0
					101
					70
					130
					0.02743
					10.0
					15
					Qual

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation li
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_SD

Sample ID: 06010314-001C-MS	SampType: MS	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/13/2006			RunNo: 73832			
Client ID: HMW-26/060112MS	Batch ID: 29137	TestNo: SW6010B SOP 3034			Analysis Date: 1/18/2006			SeqNo: 1181528			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.191	0.0100	0.2000	0	95.4	75	125				
Cobalt	0.449	0.0100	0.5000	0	89.8	75	125				
Nickel	0.457	0.0100	0.5000	0	91.5	75	125				
Silver	0.0464	0.0100	0.05000	0	92.8	75	125				
Sample ID: 06010314-001C-MS	SampType: MSD	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/13/2006			RunNo: 73832			
Client ID: HMW-26/060112MS	Batch ID: 29137	TestNo: SW6010B SOP 3034			Analysis Date: 1/18/2006			SeqNo: 1181529			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.190	0.0100	0.2000	0	94.9	75	125	0.1908	0.525	15	
Cobalt	0.449	0.0100	0.5000	0	89.7	75	125	0.4491	0.0891	15	
Nickel	0.455	0.0100	0.5000	0	91.0	75	125	0.4573	0.460	15	
Silver	0.0449	0.0100	0.05000	0	89.8	75	125	0.04640	3.29	15	
Sample ID: MB-29137	SampType: MBLK	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/13/2006			RunNo: 73920			
Client ID: ZZZZZZ	Batch ID: 29137	TestNo: SW6010B SOP 3034			Analysis Date: 1/19/2006			SeqNo: 1182594			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Beryllium	< 0.0010	0.0010	0.001000	0	0	-100	100				
Iron	< 0.0200	0.0200	0.02000	0	0	-100	100				
Vanadium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Zinc	0.0025	0.0100	0.01000	0	25.0	-100	100				J
Sample ID: LCS-29137	SampType: LCS	TestCode: M_AQ_ICP_S Units: mg/L			Prep Date: 1/13/2006			RunNo: 73920			
Client ID: ZZZZZZ	Batch ID: 29137	TestNo: SW6010B SOP 3034			Analysis Date: 1/19/2006			SeqNo: 1182595			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	2.27	0.0050	2.000	0	113	85	115				
Beryllium	0.0484	0.0010	0.05000	0	96.8	85	115				

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation limit
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_SD

Sample ID: LCS-29137	SampType: LCS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73959
Client ID: ZZZZZZ	Batch ID: 29137	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183420
Analyte					
Cadmium	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
	0.0450	0.0020	0.05000	0	90.0 85 115
Sample ID: 06010314-001C-MS	SampType: MS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73967
Client ID: HMW-26/060112MS	Batch ID: 29137	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183622
Analyte					
Barium	1.99	0.0050	2.000	0.1599	91.5 75 125
Cadmium	0.0465	0.0020	0.05000	0.001800	89.4 75 125
Sample ID: 06010314-001C-MS	SampType: MSD	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73967
Client ID: HMW-26/060112MS	Batch ID: 29137	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183623
Analyte					
Barium	1.92	0.0050	2.000	0.1599	87.9 75 125 1.989 3.63 15
Cadmium	0.0442	0.0020	0.05000	0.001800	84.8 75 125 0.04650 5.07 15

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M	Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits		

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 06010314-002B-MS	SampType: MSD	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73832						
Client ID: HMW-27/060112MS	Batch ID: 29138	TestNo: SW6010B	SOP 3034	Analysis Date: 1/18/2006	SeqNo: 1181516						
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual											
Chromium	0.187	0.0100	0.2000	0	93.6	75	125	0.1817	2.93	15	
Cobalt	0.448	0.0100	0.5000	0.005300	88.6	75	125	0.4350	2.99	15	
Nickel	0.472	0.0100	0.5000	0.01360	91.7	75	125	0.4588	2.84	15	
Silver	0.0458	0.0100	0.05000	0	91.6	75	125	0.04430	3.33	15	
Vanadium	0.484	0.0100	0.5000	0.006000	95.6	75	125	0.4771	1.39	15	
Sample ID: LCS-29138	SampType: LCS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73920						
Client ID: ZZZZZZ	Batch ID: 29138	TestNo: SW6010B	SOP 3034	Analysis Date: 1/19/2006	SeqNo: 1182579						
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual											
Barium	2.27	0.0050	2.000	0	113	85	115				
Beryllium	0.0517	0.0010	0.05000	0	103	85	115				
Nickel	0.543	0.0100	0.5000	0	109	85	115				
Vanadium	0.540	0.0100	0.5000	0	108	85	115				
Zinc	0.545	0.0100	0.5000	0	109	85	115				
Sample ID: MB-29138	SampType: MBLK	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73920						
Client ID: ZZZZZZ	Batch ID: 29138	TestNo: SW6010B	SOP 3034	Analysis Date: 1/19/2006	SeqNo: 1182580						
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual											
Barium	< 0.0050	0.0050	0.005000	0	0	-100	100				
Beryllium	< 0.0010	0.0010	0.001000	0	0	-100	100				
Iron	0.0089	0.0200	0.02000	0	44.5	-100	100		J		
Nickel	< 0.0100	0.0100	0.01000	0	0	-100	100				
Vanadium	< 0.0100	0.0100	0.01000	0	0	-100	100				
Zinc	0.0022	0.0100	0.01000	0	22.0	-100	100		J		

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation li
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
	S	Spike Recovery outside accepted recovery limits				

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_AQ_ICP_ST

Sample ID: 06010314-002B-MS	SampType: MS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73919						
Client ID: HMW-27/060112MS	Batch ID: 29138	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183017						
Analyte											
Cadmium	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0437	0.0020	0.05000	0	87.4	75	125				
Sample ID: 06010314-002B-MS	SampType: MSD	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73919						
Client ID: HMW-27/060112MS	Batch ID: 29138	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183018						
Analyte											
Cadmium	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.0438	0.0020	0.05000	0	87.6	75	125	0.04370	0.229	15	
Sample ID: LCS-29138	SampType: LCS	TestCode: M_AQ_ICP_S	Units: mg/L	Prep Date: 1/13/2006	RunNo: 73959						
Client ID: ZZZZZZ	Batch ID: 29138	TestNo: SW6010B	SOP 3034	Analysis Date: 1/20/2006	SeqNo: 1183416						
Analyte											
Iron	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	0.952	0.0200	1.000	0	95.2	85	115				

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
M	Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits		

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_AQ_S

Sample ID: LCS-29190	SampType: LCS	TestCode: M_HG_AQ_S	Units: mg/L	Prep Date: 1/17/2006	RunNo: 73849
Client ID: ZZZZZZ	Batch ID: 29190	TestNo: SW7470 A	SOP 3062	Analysis Date: 1/18/2006	SeqNo: 1181386
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Mercury	0.00511	0.00020	0.005000	0	102
				85	115
				%RPD	RPDLimit
					Qual

Qualifiers: E Value above quantitation range
M Manual Integration used to determine area response
S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

J Analyte detected below quantitation li
R RPD outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: M_HG_AQ_SD

Sample ID: LCS-29190	SampType: LCS	TestCode: M_HG_AQ_S	Units: mg/L	Prep Date: 1/17/2006	RunNo: 73849						
Client ID: ZZZZZZ	Batch ID: 29190	TestNo: SW7470 A	SOP 3062	Analysis Date: 1/18/2006	SeqNo: 1181462						
<hr/>											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00511	0.00020	0.005000	0	102	85	115				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limit
M Manual Integration used to determine area response ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Clayton Group Services
Work Order: 06010314
Project: Hartford Working Group

ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_MTBE_W

Sample ID: MBLK-N060114-2	SampType: MBLK	TestCode: V_BTEX_MT	Units: µg/L	Prep Date: 1/14/2006	RunNo: 73720						
Client ID: ZZZZZZ	Batch ID: 29140	TestNo: SW8260B	SW5030	Analysis Date: 1/14/2006	SeqNo: 1178863						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	51.8		50.00		104	73.9	129				
Surr: 4-Bromofluorobenzene	51.7		50.00		103	83	113				
Surr: Dibromofluoromethane	50.9		50.00		102	83.8	118				
Surr: Toluene-d8	49.2		50.00		98.4	85.5	115				

Sample ID: 06010314-002I-MS	SampType: MS	TestCode: V_BTEX_MT	Units: µg/L	Prep Date: 1/14/2006	RunNo: 73720						
Client ID: HMW-27/060112MS	Batch ID: 29140	TestNo: SW8260B	SW5030	Analysis Date: 1/15/2006	SeqNo: 1178875						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

m,p-Xylenes	64.7	5.0	65.00	0	99.5	74.6	125				
o-Xylene	64.7	5.0	65.00	0	99.6	73	127				
Benzene	57.1	2.0	65.00	0	87.9	57.8	125				
Toluene	65.4	5.0	65.00	0	101	75.8	123				
Ethylbenzene	64.6	5.0	65.00	0	99.3	72.8	123				
Xylenes, Total	129	5.0	130.0	0	99.5	73	127				
Surr: 1,2-Dichloroethane-d4	52.2		50.00		104	73.9	129				
Surr: 4-Bromofluorobenzene	52.2		50.00		104	83	113				
Surr: Dibromofluoromethane	49.5		50.00		99.0	83.8	118				
Surr: Toluene-d8	49.6		50.00		99.2	85.5	115				

Sample ID: 06010314-002I-MSD	SampType: MSD	TestCode: V_BTEX_MT	Units: µg/L	Prep Date: 1/14/2006	RunNo: 73720						
Client ID: HMW-27/060112MS	Batch ID: 29140	TestNo: SW8260B	SW5030	Analysis Date: 1/15/2006	SeqNo: 1178876						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

m,p-Xylenes	65.2	5.0	65.00	0	100	74.6	125	64.69	0.801	15	
o-Xylene	64.5	5.0	65.00	0	99.3	73	127	64.72	0.310	15	
Benzene	58.4	2.0	65.00	0	89.8	57.8	125	57.12	2.16	15	
Toluene	65.9	5.0	65.00	0	101	75.8	123	65.39	0.822	15	
Ethylbenzene	64.8	5.0	65.00	0	99.8	72.8	123	64.55	0.464	15	

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded			J	Analyte detected below quantitation limit		
	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit			R	RPD outside accepted recovery limits		
	S	Spike Recovery outside accepted recovery limits								

Clayton Group Services – Sample Temperature Tracking Form

NOTE: Please include this form with the Chain of Custody and return copy to FIELD MANAGER.

Inspect cooler – is it satisfactory for sample storage based on cleanliness and cooler integrity?

- Yes
 No

If no, obtain a satisfactory cooler

Time first sample placed in cooler (this is considered the same as the sample collection time) recorded:

- Yes Date and Time: 1-12-06 1432
 No Rationale: _____

Samples immersed in ice at time of placement in cooler? (i.e. Bag of ice opened and poured over samples)

- Yes Date and Time: 1-12-06 1432
 No Rationale: _____

At end of day, prior to overnight storage, samples re-iced.

- Yes
 No, Explain: _____

Were samples stored in refrigerator at any time?

- Yes – Refrigerator Temperature (°C) at time of placement _____
Refrigerator Temperature (°C) at time of removal _____
 No

If yes, explain rationale:

Temperature check of three random containers after overnight storage:

Date	Time	Sample ID	Temp
<u>1-13-06</u>	<u>0730</u>	<u>Hmw-Sac</u>	<u>46.8°F</u>
<u>1-13-06</u>	<u>0730</u>	<u>Dup-co1</u>	<u>39.5°F</u>
<u>1-13-06</u>	<u>073</u>	<u>Hmw-26</u>	<u>33.5°F</u>

Custody seal placed on cooler upon final inspection?

- Yes
 No

TJ Grisel

Name Printed

GW Temp Compliance
Form./8/17/2005/JMM

J.D.L

Signature

1 of 1

1-13-06

Date & Time

CHAIN OF CUSTODY

pg. / of / Work Order # D6010314

TEKLAB, INC. 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: Clayton Group Services
 Address: 3140 Finley Road
 City / State / Zip: Downers Grove, IL 60515
 Contact: Ken Conaire Phone: 630-795-3206
 E-Mail: ken.conaire@us.bureauveritas.com Fax: 630-795-1170

Are the samples chilled? NO YES (Ice or Blue Ice)

Cooler Temperature: 1.16 °C

Preserved in: Lab Field

Comments: Bill to Clayton *Project # per TJ STH 1/13/06
 See ATTACHED TABLE 10-3

Project Name / Number			Sample Collector's Name								MATRIX		INDICATE ANALYSIS REQUESTED				E-MAILED		
Requested Due Date		Billing Instructions PO#		# and Type of Containers						Water	Drinking Water	Soil	Sludge	Sp. Waste	BTEX	MTBE		METALS	Organic Chem Nitrogen/ Aromatic Aromatic
Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	Other									
D6010314-001	Hmw-26/06/12	1-12-06 1500	1	1	2	2	1	X			X	X				X	X		
	Hmw-26 F/06/12	1-12-06 1500	1	1							X					X	X		
	Hmw-26U/06/12	1-12-06 1500	1								X					X			
002	Hmw-27/06/12	1-12-06 1625	1	1	2	2	1	X			X	X				X	X		
	Hmw-27F/06/12	1-12-06 1625	1	1							X					X	X		
	Hmw-27U/06/12	1-12-06 1625	1								X					X			
003	TB-002/06/12	1-12-06 0830	1				1	X										X	
Relinquished By			Date / Time								Received By				Date / Time				
			1-13-06 0800												1-13-06 0900				
			1-13-06 1050												1-13-06 1050				